

LA SALLE COLLEGE BULLETIN



EVENING DIVISION

CURRICULA IN
BUSINESS
ADMINISTRATION
AND
SCIENCE

1961-1962

PHILADELPHIA • PENNSYLVANIA

LA SALLE COLLEGE BULLETIN

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A Catholic College for Men

Conducted by the Brothers of the Christian Schools

1961-1962 ANNOUNCEMENT

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CALENDAR

FALL TERM 1961-62

August	16	Wednesday	Final date for accepting applications for admission of new students to Fall Term.
August	28	Monday to	
September	1	Friday	Registration, 7 to 9 P.M.
September	5	Tuesday	Classes begin.
September	11	Monday	Final date for late registration and change of roster.
October	30	Monday to	
November	9	Thursday	Mid-term examinations.
November	1	Wednesday	Holiday—Feast of All Saints.
November	22	Wednesday	Thanksgiving Holiday begins at close of classes.
November	27	Monday	Classes resume.
December	8	Friday	Holiday—Feast of the Immaculate Conception.
December	20	Wednesday	Christmas Recess begins at close of classes.
January	2	Tuesday	Christmas Recess ends, 7 P.M.
January	13	Saturday	Fall term classes end.
January	15	Monday to	
January	22	Monday	Fall term final examinations.

SPRING TERM 1962

January	10	Wednesday	Final date for accepting applications for admission of new students to Spring Term.
January	23	Tuesday to	
January	26	Friday	Registration, 7 to 9 P.M.
January	29	Monday	Classes begin.
February	5	Monday	Final date for late registration and change of roster.
March	19	Monday	Holiday—President's Day.
March	20	Tuesday to	
March	29	Thursday	Mid-term examinations.
April	18	Wednesday	Easter Recess begins at close of classes.
April	24	Tuesday	Easter Recess ends, 7 P.M.
May	15	Tuesday	Holiday—Founder's Day.
May	21	Monday	Senior examinations begin.
May	30	Wednesday	Holiday—Memorial Day.
May	31	Thursday	Holiday—Feast of the Ascension.
June	2	Saturday	Spring term classes end.
June	4	Monday to	
June	11	Monday	Spring term final examinations.
June	5	Tuesday	Commencement Day.

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GENERAL INFORMATION

HISTORY OF THE COLLEGE

La Salle's history had its modest beginning in the year 1863. It was in that year that the state granted the College a charter and the Christian Brothers brought the new institution into being. Its nucleus was the Academy conducted by the Brothers as an annex to St. Michael's Parochial School. In the years which followed, the College outgrew three locations—the parish site, a site at Broad and Juniper Streets, and the old Bouvier mansion at Broad and Stiles Streets. The College purchased part of Wister Farms in 1929 and began operating at its present site the following year, only to be faced with the dark years of the Great Depression. The war years which followed were even worse in their depletion of the student population of all-male colleges. With the end of World War II, however, La Salle faced a completely different kind of problem. The influx of veterans taking advantage of the G.I. Bill strained facilities to the utmost, but the College met this challenge successfully and began a carefully-planned development program to make ready for the expanding enrollments of the future.

Since 1945, La Salle has experienced the most dramatic period of expansion in its history. Present enrollment in both Day and Evening Divisions is approximately 4000 students, as compared to a 1940 enrollment of about 400. In the last 15 years, 10 new buildings have been added to the campus.

The Evening Division was inaugurated in 1946 in response to the needs of industry throughout the Delaware Valley; within 10 years evening classes were utilizing every available inch of classroom space.

In 1951 the College added the Dixon estate in Elkins Park and established Anselm Hall as a House of Studies for student Brothers. In 1952, a new library was erected, and the following year the first of four new dormitories was opened to residence students. By 1955 the rapid growth of the College made it necessary to reorganize the administrative pattern into separate schools of Arts and Sciences, Business Administration, and the Evening Division.

The latest steps in the physical development of La Salle are the College Union, opened in 1959, and the Science Center, which opened in September, 1960. On the drafting board at present are two more residence halls, a new chapel, and another classroom building.

GENERAL PURPOSE OF THE COLLEGE

La Salle College is a group of buildings—brick, marble, limestone—situated on a hill overlooking Wister Woods. But it is also a great deal more. It is the embodiment of several great educational traditions: the Catholic tradition of striving for the perfection of one's God-given intellectual powers; the American tradition of educating men in the foundations and spirit of democracy and the roots of western civilization; and the La Sallian tradition dating back to St. John Baptist de La Salle, founder of the Christian Brothers and Patron Saint of Teachers. St. La Salle directed his Brothers to teach "the sons of artisans," those of moderate or minimum economic means who might otherwise have been deprived of educational opportunities.

In the light of these traditions, La Salle College aims at developing the man who, in the words of Pope Pius XI, "thinks, judges, and acts constantly and consistently in accordance with right reason illumined by the supernatural light of the example and teaching of Christ; in other words, to use the current term, the true and finished man of character."

THE SPECIAL PURPOSE OF THE EVENING DIVISION

The particular purpose of the Evening Division of La Salle College is to afford the opportunity for an education to men who are unable to attend college during the day, but who recognize the value of an organized program of studies as a means of increasing their knowledge, broadening their perspective, and developing their abilities for more successful living.

The program of the Evening Division has been planned to meet the needs of a student body which, for the greater part, is mature in experience and motivation. Although the objectives of this Division are not distinctively different from those of the Day College, they have been modified in some details to provide for the adult character of the student body.

In accordance with the general purpose of the College, the Evening Division has established the following objectives:

1. To inculcate those principles of living which are in agreement with Catholic standards.
2. To provide a broader basis for human understanding through an appreciation of subjects of a cultural nature.

3. To foster independent thinking which will result in individual growth for better comprehension of personal and social problems, for improved adjustment to the stresses of competitive living, and for more effective contributions to a community in which there is extensive industrial and commercial activity.
4. To prepare men for positions of greater responsibility and to help them meet the needs of employers for personnel with a college background.

EVENING PROGRAM OF THE COLLEGE

ADMISSION TO THE EVENING DIVISION

Male applicants only who, in the opinion of the Committee on Admissions, are qualified to profit by the educational program of the College are admitted to the Evening Division. In determining the admission of an applicant, consideration shall be given to his past scholastic record, his present scholastic aptitude, his experience and his character recommendations.

All applicants are required to take a series of entrance examinations. The results of these examinations provide the Committee on Admissions with basic information for evaluating verbal and mathematical aptitudes, reading skills, and the extent of achievement in English and Mathematics. A schedule of dates for the administration of the entrance examinations will be given to each applicant upon the receipt of his application.

Attendance at La Salle College is a privilege and not a right. The College, therefore, reserves the right to refuse admission to any applicant or to require the withdrawal of any student when it deems his presence among the student body inimical to the ideals of the College or to the observance of its regulations.

PERIOD OF ADMISSION

Applicants will be accepted each year for the Fall and the Spring terms beginning in September and in February. A prospective student should file an application form and a transcript of his high school record or previous college record in the Office of Admissions not later than ten days before the first day of registration of the term for which he wishes to enroll. The forms for application and high school transcript may be obtained from the Office of Admissions, La Salle College, Philadelphia 41, Pennsylvania.

CLASSIFICATION OF APPLICANTS

Students are admitted to the Evening Division, according to their qualifications, under the following classifications:

1. Candidates for the degree of Bachelor of Science in Business Administration, Chemistry, or Electronic Physics.

2. Candidates for the Certificate of Proficiency in Business Administration or in Chemistry.
3. Special, or non-matriculant students who request isolated courses, and who are not candidates for a degree or a certificate.

ADMISSION REQUIREMENTS

Bachelor of Science Degree

To qualify for admission as a candidate for the degree of Bachelor of Science, the applicant must satisfy the general requirements for admission, and his scholastic record must show the completion of sixteen units of study either in an accredited high school or by certification by a State Department of Education. Of these sixteen units, at least ten should be distributed as follows:

English	4 units
History	1 unit
Mathematics	2 units
Modern Language (see below)	2 units
Natural Science	1 unit

The remaining six units may be distributed as follows:

- (1) Applicants for curricula in Business Administration may present six additional units in academic or commercial subjects. Typing is not acceptable.
- (2) Applicants for curricula in Science may present six additional units in academic subjects. The units in Mathematics must include two in Algebra and one-half in Trigonometry.

Modern Language Requirement: Applicants may be accepted without the modern language requirement, but they will be required to take eight semester credit hours of a foreign language as part of their college curriculum.

Exceptions may be made to the secondary school requirements in those cases in which the applicant is otherwise well qualified, or in which a State Department of Education Equivalent High School Diploma has been obtained.

Certificate of Proficiency

Applicants who desire a terminal program of study which may be completed in approximately one-half the time required for the de-

gree and which is directed more towards the professional objectives of the Evening Division are admitted for the Certificate of Proficiency. The entrance requirements are essentially the same as those for degree candidacy. However, deficiencies in the high school record may be waived provided that a high school diploma or its equivalent has been earned.

The Certificate of Proficiency will be granted in the curricula of Business Administration, and in Chemistry.

Special Students

Applicants may be admitted as special or non-matriculant students to take isolated courses without reference to degree or certificate requirements. These applicants must conform to the general admission requirements and satisfy the Committee on Admissions that their qualifications of experience and aptitude are adequate to follow the selected courses successfully.

TRANSFER OF CLASSIFICATION

Certificate or special students may transfer to the status of degree candidacy without loss of previously earned credit if they have met all requirements for degree candidacy at the time of admission. However, the College reserves the right to accept or reject for degree credit any course taken before the entrance requirements for the degree have been satisfied.

ADMISSION WITH ADVANCED STANDING

An applicant who has attended another college or university may be admitted with advanced standing credit according to the following conditions:

1. The college or university attended must be an accredited degree granting institution.
2. The previous college record of the applicant must indicate good academic standing. No applicant will be accepted whose transcript reads "Academic Probation," or "Academic" or "Disciplinary Dismissal."
3. Advanced standing credit will be granted only for courses which are applicable to the curriculum which the applicant plans to follow.

4. Advanced standing credit will be allowed only for courses in which certifying grades have been received. No credit will be granted for incomplete courses, or for one term of a two-term course.
5. Advanced standing will be given only for courses completed within the past ten years.
6. Advanced standing credit may be granted to veterans for courses pursued during military service provided that these courses are applicable to the student's curriculum and that they are not of a technical or vocational nature. Records of acceptable courses will be evaluated in accordance with the procedures recommended by the American Council on Education.
7. Whenever necessary, the College reserves the right to administer subject examinations to determine the applicants qualifications for placement in advanced courses.
8. The Evening Division of La Salle College reserves the right to refuse admission with advanced standing for whatever reason it may deem proper.

ADMISSION OF VETERANS

The Veterans Administration has certified the educational program of the Evening Division of La Salle College for veteran benefits under Public Law 550, generally known as the Korean G.I. Bill.

Veterans are admitted to the Evening Division of La Salle College under the same general conditions as non-veterans. However, any deficiencies in the credentials of a veteran applying for admission may be remedied by special procedures. Veterans should consult with the Director of Admissions concerning such procedures.

Veterans who were in active service in the Armed Forces during the period beginning June 27, 1950, and ending January 31, 1955, (including those veterans who continued in active duty beyond January 31, 1955, until the date for their first discharge or release thereafter) are eligible for benefits under Public Law 550.

A veteran eligible under Public Law 550 must initiate his program of education thereunder not later than 3 years after his discharge or separation from active service.

The maximum time permitted under Public Law 550 is 36

calendar months of full-time eligibility or an equivalent number of months of part-time eligibility. A three course program in the Evening Division constitutes three-quarter time eligibility.

It is the responsibility of the veteran to initiate his educational benefits by securing from and filing with the Veterans Administration Form 7-1190, "Application for Program of Education and Training." The Philadelphia Office of the Veterans Administration is located at 128 North Broad Street. Students beyond the Philadelphia area should apply to their local Veterans Administration Office. It is recommended that the application be filed with the Veterans Administration prior to the opening of the school term, but not before a notice of acceptance has been issued by the College.

In due time after the filing of the above application, the Veterans Administration will send a certificate of eligibility to the veteran and a duplicate copy to the College, thereby authorizing his entrance into training.

ADMISSION PROCEDURE

To be admitted to the Evening Division of La Salle College, the applicant who is entering college for the first time must comply with the following procedure before he will be permitted to register.

1. Secure an Application for Admission form, complete it and return it together with the application fee of \$5.00 to the Office of Admissions, La Salle College, Philadelphia 41, Pennsylvania. See page 36 for an explanation of the application fee.
2. Obtain a High School Transcript form and send it to the high school from which he has graduated with a request that it be completed and returned to the Office of Admissions, as directed on the form.
3. Upon the receipt of the application form, the applicant will be notified of the dates and the nature of the entrance testing program, and of any further conditions which he must satisfy before he will be granted admission to the College.
4. The applicant will be notified finally of the decision on his admission.
5. A successful applicant will be notified of the dates of registration.

Procedure for Admission with Advanced Standing

Applicants who have attended another college or university must comply with the following admission procedure:

1. Secure an Application for Admission form, complete it and return it together with the application fee of \$5.00 to the Office of Admissions, La Salle College, Philadelphia 41, Pennsylvania. See page 36 for an explanation of the application fee.
2. Request the high school and the college or university which the applicant has attended to send transcripts of his records to the Office of Admissions.
3. Upon the receipt of the application form, the applicant will be notified of the dates and the nature of examinations which he may have to take, or of any further conditions which he must satisfy before admission.
4. The applicant will be notified of the action of the Committee on Admissions.
5. A successful applicant will be notified of the extent of advanced standing credit which he will be granted and of the dates of registration.

REGISTRATION

Students shall register for each term in accordance with the registration schedule as set forth in the official calendar shown on page 3 of this Bulletin. Detailed instructions for registration and for the rostering of courses are supplied at the time of registration.

The rostering of courses shall be done under the direction of the Dean of the Evening Division and his assistants.

Registration after the scheduled time must be approved by the Office of the Dean and shall, if approved, be considered as a late registration subject to a fee. The period for late registration shall close at the end of the first week of class.

Upon the completion of registration, the student is officially enrolled in the courses for which he is rostered, and is financially responsible for the tuition charges. He is admitted to each class by the presentation of the proper Course Card which was issued to him at registration. To be valid, Course Cards must be stamped with the names of the Dean of the Evening Division and the Bursar of the

College. It is the responsibility of the student to follow correctly the procedures for registration and admission to class.

ROSTER REQUIREMENTS

Students in the Evening Division are permitted to schedule from one to three courses, with a maximum total of 11 credit hours, in any term. The number of courses which a student will be permitted to take will depend upon his ability, the time at his disposal for study and his program of studies.

GENERAL ROSTER PLAN¹

Nearly all of the courses in the Evening Division program require attendance on two evenings each week. Courses listed for the first year in all curricula may be offered on Monday, Wednesday, and Friday evenings. All other courses, with few exceptions, will be offered on Monday, Tuesday, and Thursday evenings.

There are two class periods each evening. The first period begins at 7:00 o'clock for a four credit hour course, or at 7:15 o'clock for a three credit hour course. The second period begins at 8:35 o'clock for all courses.

Each course section meets during the first class period on one evening and during the second class period on the other evening. A course given on Monday and Wednesday evenings which meets during the first period on Monday will meet during the second period on Wednesday.

The length of each class period is 70 or 90 minutes, depending upon whether the course is given for three or four credit hours.

According to the above plan, students who are scheduled for three courses will attend class on three evenings for a total of six class periods. Those who are scheduled for two courses will attend class on either two or three evenings, according to the days on which their courses are offered, for a total of four class periods.

The College year is divided into two terms of 19 weeks each, exclusive of holidays and vacation periods. The dates of the Fall and Spring Terms for 1961-1962 are given in the calendar on page 3 of this Bulletin.

¹ The evenings on which classes are conducted may be changed whenever roster conditions require it.

CHANGE IN COURSE

The student is responsible for following the sequence of courses for the curriculum of his major field of study. If changes are desired, approval must be obtained from the Office of the Dean.

CREDIT FOR OFF-CAMPUS COURSES

Course work taken at other institutions by regularly enrolled students of the Evening Division may not be offered for credit unless the student has had written permission in advance from the Dean to take such courses. It is the responsibility of the student to request a transcript of credit for off-campus courses for inclusion in his record at La Salle College.

ATTENDANCE POLICY

Students are expected to attend classes regularly. An allowable number of absences is permitted to provide for conditions beyond the control of the student. Cumulative or consecutive absences of more than two weeks in any course may be regarded as excessive. Attendance is counted from the first regular class meeting regardless of the time of registration.

The student is responsible for reporting to his Instructor the reason for each absence. If an absence can be foreseen, the report should be made before the absence; otherwise, it should be made immediately thereafter. Students who fail to report reasons for absence cannot expect consideration if the number of absences becomes excessive.

When a student has exceeded the number of allowable absences, the Instructor of the course will notify the Office of the Dean. A written notice will be sent to the student and a reply will be required from him within one week. Failure to reply may be regarded as a withdrawal without notice.

A student who, in the judgment of his Instructor, has been absent excessively must withdraw from the course.

WITHDRAWAL

After the completion of registration, a student shall be considered to be in attendance unless an official statement of withdrawal is received from him. Ceasing to attend class or submitting a statement

of withdrawal to an Instructor does not constitute an official notice of withdrawal.

Students who find it necessary to withdraw from one or more courses are required to submit a signed statement of withdrawal to the Office of the Dean. The withdrawal statement may be made in one of the following ways: the submission of a letter; the completion of a withdrawal form in the Evening Division Office; or the return of an Absence Letter. Unsupported telephoned statements are not acceptable. Regardless of the manner by which a withdrawal statement is made, it must list the course or courses from which the student is withdrawing, give adequate reasons for the withdrawal, and bear the signature of the student.

The date of filing the statement of withdrawal shall be considered, in all cases, the date of actual withdrawal. Previous statements of reasons for absence or non-attendance shall not be a cause for predating a withdrawal.

If a student withdraws before the beginning of the last three weeks in any course, his record for the course will be marked W (withdrawn). If he withdraws during the last three weeks of any course, his record will be marked F (failure) unless his withdrawal has been caused by unusual circumstances and has the approval of the Dean.

A student who withdraws without submitting an official statement of withdrawal shall forfeit the privilege of reentering the Evening Division.

The financial obligations of a student who withdraws are stated on page 38 under the section "Financial Obligations."

EXAMINATIONS

Examinations are given at any time during the course at the discretion of the Instructor, at the mid-term and at the conclusion of the term.

Final examinations are conducted only at the times published in the examination schedule which is issued each term.

No credit will be given for any subject until the final examination has been completed successfully.

Any student who, because of unavoidable absence, is unable to take the final examination as scheduled must file a written request for a special final examination in the Office of the Dean. No special final

examination will be administered without the approval of both the Instructor and the Dean. Each special final examination is subject to a fee of \$2.00.

GRADES

A permanent record of grade for each course is made only at the end of each term. The final course grade is determined from a consideration of attendance, recitations, examinations during the course and the final examination.

Grades are recorded in alphabetical symbols as follows: A (100-93) indicates excellent work; B (92-84) indicates good work; C (83-77) indicates certifying work; D (76-70) indicates a minimum passing grade; F (below 70) indicates a failure; I indicates an incomplete grade and that certain course assignments, tests, final examination, etc., have not been performed or taken; W indicates that the student withdrew from the course before the beginning of the last three weeks of the term.

SCHOLASTIC DEFICIENCIES

Condition or re-examinations are not given. To remove an incomplete grade, the student must complete the required work under the supervision of his Instructor. Incomplete grades must be removed not later than six weeks after the date of the final examinations; otherwise, they become failures. It is the responsibility of the student to arrange for the removal of such grades.

A student whose final grade in a required course is a failure must repeat the course.

ACADEMIC STANDING

The academic standing of a student is determined by computing a cumulative scholastic index or average of grades by assigning a grade point value to each letter grade according to the following system: A = 4, B = 3, C = 2, D = 1, F = 0, grade points per semester credit hour. An "A" grade for a four credit hour course equals 16 grade points; a "B" grade for a three credit hour course equals 9 grade points; and a "D" grade for a four credit hour course equals 4 grade points. No grade points are given for "F" grades. The cumulative scholastic index or average of grades is equal to the

sum of all grade points divided by the total number of credit hours attempted, including hours for which an "F" grade was earned.

To be in good academic standing, a student must have a minimum cumulative scholastic index of 2.00. In addition, he must satisfy the scholastic requirements for his major program of study. See page 29. Student records are evaluated for academic standing each year at the end of the Spring Term.

DEAN'S HONOR LIST

The Dean's Honor List is published at the beginning of the Fall Term each year.

Those students who have earned a cumulative average of 3.40 are eligible for the Dean's List. In addition, they must have complied with all the regulations of the College and have earned at least 33 credit hours.

ACADEMIC CENSURE

A student whose cumulative average of grades is less than 2.00 is subject to academic censure in one of three forms depending upon the gravity of his scholastic deficiency. Not more than two courses per term may be taken by a student whose average is less than 2.00.

(a) *Academic Warning.* An academic warning in writing is given to a student whose cumulative average is less than 2.00, but above the average that would place him on probation according to his level of progress.

(b) *Academic Probation.* A student is placed on academic probation and given a written notice thereof when his cumulative average is less than: (1) 1.50 at the completion of 33 credit hours, (2) 1.75 at the completion of 66 credit hours, or (3) 1.90 at the completion of 99 credit hours.

(c) *Academic Dismissal.* Academic dismissal is a compulsory withdrawal from the College without the privilege of re-entering.

A student is liable to academic dismissal: (1) when his cumulative average is less than (a) 1.00 at the completion of 33 credit hours, (b) 1.50 at the completion of 66 credit hours, or (c) 1.75 at the completion of 99 credit hours; (2) whenever, in the opinion of the Committee on Academic Standing, a student shows by poor scholarship

that he is no longer profiting by the educational program of the College.

Decisions on academic dismissal are made by the Committee on Academic Standing. A student who receives a notice of academic dismissal may request an opportunity to appear in person before the Committee.

REQUIREMENTS FOR THE MAJOR PROGRAM¹

Students must maintain a C average or cumulative index of 2.00 in those courses which are specifically designated as requirements for the major sequence of study. A student whose average grades in the courses of the first year of his major sequence are below a C must repeat the courses or change his major. Only one repetition of these courses will be permitted.

REQUIREMENTS FOR A DEGREE

The candidate for a degree must have completed course work equivalent to a minimum of 132 semester hours.²

He must have obtained a "C" average or cumulative index of 2.00 in all courses which are required for the degree.

He must have fulfilled all course requirements prescribed for him by the Dean of the Evening Division in his major curriculum.

He must have fulfilled the requirements in Philosophy and Theology.³

A minimum of twelve terms of collegiate study or its equivalent are required for a degree. The final three terms or 33 semester credit hours must be completed in the Evening Division of La Salle College with the further provision that at least 16 of these credits be in the candidate's major field.

REQUIREMENTS FOR A CERTIFICATE OF PROFICIENCY

The Certificate of Proficiency is granted in the following curricula only: Accounting, General Business, Industrial Management, Industrial Relations, Marketing, and Chemistry.

¹ This requirement became effective at the end of the Spring Term of 1958, and is retroactive.

² This requirement became effective on September 10, 1956, and is not retroactive.

³ Non-Catholic students may substitute special courses in Philosophy for the requirements in Theology.

The candidate for a Certificate of Proficiency must have completed course work equivalent to a minimum of 60 semester credit hours.

He must have obtained a "C" average or cumulative index of 2.00 in all courses which are required for the certificate.

He must have fulfilled all course requirements prescribed for him by the Dean of the Evening Division in his major curriculum.

HONORS

The bachelor's degree with honors is conferred on a student who has completed his course requirements at the College with an average of all grades not lower than 3.4 and who has not incurred any academic censure.

The candidate for the bachelor's degree who has earned an average of 3.80 or better in all courses is graduated with the designation *Maxima Cum Laude*.

The candidate who has earned an average between 3.60 and 3.79 is graduated with the distinction *Magna Cum Laude*.

The candidate who has earned an average between 3.40 and 3.59 is graduated with the distinction *Cum Laude*.

Honors are computed on the basis of the grades earned in all courses which are accepted in fulfillment of the requirement for the degree.

STUDENT PERSONNEL SERVICE

OBJECTIVES OF THE STUDENT PERSONNEL PROGRAM

La Salle College, in keeping with the aims and objectives of Christian Education, recognizes that the completeness of higher education demands that the student be provided with the opportunities to develop himself spiritually, morally, intellectually, emotionally, and socially. Therefore, the Student Personnel Program in the Evening Division of La Salle College offers the following:

1. A Counseling Service to assist him in solving the various problems which beset a college student.
2. A program of spiritual activities and spiritual counseling.
3. A student activities program which includes student government, student publications, and extracurricular organizations.
4. A service to help the student find suitable employment according to his needs and the opportunities which are available.
5. A limited program of athletic activities.
6. A Food Service which provides for students who find it more convenient to dine at the campus on class evenings.
7. An Alumni Program to continue the mutual interest which the graduates and the College should have in common.

THE COUNSELING CENTER

The College maintains a Counseling Center staffed by professionally trained counselors who are available to assist the student in matters pertaining to vocational decisions, personal adjustment and educational planning. The Center renders services in the following areas: aptitude testing and interest inventory; individual counseling and occupational information.

The Counseling Center, located in McShain Hall, is open on Monday and Wednesday evenings for the convenience of students of the Evening Division.

RELIGIOUS ACTIVITIES

The Chapel of La Salle College provides a convenient center both for personal meditation and for group worship. Its facilities and the services of the College Chaplain are available to the student body at all times.

Devotions in honor of Our Lady of the Miraculous Medal are conducted weekly on Thursday evenings, at 6:35 o'clock.

During the months of October and May, evening services are held in honor of the Most Blessed Virgin at 6:35 o'clock.

An Evening Mass of the Holy Ghost is celebrated at the beginning of the Fall Term each year.

A Communion Breakfast for the Evening Division student body is held during the Spring Term.

A solemn Mass in honor of Saint John Baptist de la Salle, the patron saint of the College and of Christian Teachers, is sung each year as part of Founder's Day exercises.

STUDENT ORGANIZATIONS AND ACTIVITIES

Although evening students must devote the major portion of their time to studies, it is hoped that they will participate, to some extent, in student government and in the co-curricular and extracurricular activities which are open to them.

THE STUDENT CONGRESS

The Student Congress of the La Salle College Evening Division acts as the official representative of the student body in its relations with the administration and faculty of the College in matters related to extra-curricular activities and student welfare.

The Student Congress consists of the elected representatives of the various course sections, who vote on all matters brought before the Congress.

In general, its purpose is to cultivate, promote and manage all social and other affairs conducted for the benefit of the entire student body; to promote the general welfare of the students and of La Salle College; and to act as an advisory body between the students and the administration.

ACCOUNTING ASSOCIATION

This is an organization of students who are majoring in accounting and who are interested in broadening their knowledge of Accounting practices and their relation with business practices in general. The Association brings the members into frequent contact with outstanding men in the field.

THE INDUSTRIAL RELATIONS SOCIETY

The purpose of the Industrial Relations Society is to foster among its members a better understanding of industrial personnel problems and to sponsor group meetings with leaders of labor and management.

MARKETING ASSOCIATION

The two-fold purpose of the club is to foster an interest in the field of marketing and to promote through discussion the application of ethical principles in the field of marketing.

STUDENT BRANCH OF THE INSTITUTE OF RADIO ENGINEERS

The Institute of Radio Engineers is a national professional organization. Its aims include the advancement of the theory and practice of radio, and allied engineering and of the related arts and sciences. Students registered in the Electronic Physics curriculum as degree candidates are eligible for membership in the Student Branch of IRE.

SOCIETY FOR THE ADVANCEMENT OF MANAGEMENT

This is a student chapter of a national society of professional men interested in management principles. It aims to enhance the application of scientific management principles in industry and to foster the development of future managerial talent.

STUDENT PUBLICATIONS

LA SALLE COLLEGIAN

The *Collegian* is the weekly student newspaper. It serves as a vehicle for disseminating views and news of interest to the entire student body. One page of each issue is devoted to the activities of the Evening Division students.

THE EXPLORER

The *Explorer* is the yearbook published for the members of each graduating class. The book serves as a record of college life and activities.

THE PLACEMENT BUREAU

The Placement Bureau provides an information service for students seeking placement with industrial and business concerns. The office, located in the College Union Building, Room 205, is open from 9 A.M. to 5 P.M., Monday through Friday, and from 5 until 7:30 P.M. on Tuesday and Thursday evenings. In cooperation with the Counseling Center, the Bureau's staff advises students on employment opportunities.

INTERCOLLEGIATE AND INTRAMURAL ATHLETICS

Although students of the Evening Division are not permitted to compete in the various intercollegiate sports, they are encouraged to support these activities by attendance at contests. They are accorded all the privileges of admission granted the students of the Day Session.

Within the limitations of available time, the students of the Evening Division may compete in intramural athletics.

THE COLLEGE CAFETERIA

A student cafeteria is operated in the College Union Building for the convenience of the students of the Evening Division. Students will be served from 5 to 7 o'clock on Monday, Tuesday, and Thursday evenings, and from 5 to 6 o'clock on Wednesday and Friday evenings.

THE CAMPUS STORE

The College maintains a Campus Store where the students may purchase books, supplies and other items of interest to college men. The Store, located in the College Union Building, is open from 6:30 to 9 o'clock on Monday, Tuesday, and Thursday evenings, and from 6 to 7:30 o'clock on Wednesday evening.

THE ALUMNI ASSOCIATION

The Alumni Association seeks to promote the welfare of La Salle College and to encourage good fellowship among alumni. To achieve these ends, the Association works principally through the College Alumni Office and class organizations.

The Alumni Association is controlled and directed by the alumni in cooperation with the College administration. The governing board is called the Alumni Board of Directors. It consists of representatives from each graduating class, and a Director of the Association appointed by the College.

Alumni are encouraged to take an active part in promoting the attendance of worthy and talented students; to take an intelligent interest in the academic affairs of the College; to support the College financially to the best of their ability; and to foster the growth of the College. Alumni are also encouraged to assist the Placement Bureau by calling to its attention job opportunities for La Salle men.

THE LIBRARY

The new library building, located on Olney Avenue at 19th Street, houses a collection of approximately 54,000 books and has files of about 325 periodicals. About 4,900 new volumes are added each year to keep the collection up-to-date and adapted to the needs of the student.

An open stack system encourages browsing, and a liberal renewal policy applies to the usual two week loan to encourage maximum use of the books. The library is open more than 60 hours a week, and competent readers' advisers enable students through personal guidance to become proficient in gathering information from indexes, bibliographies, loose leaf service and other bibliographical tools.

The library is open Monday through Thursday, 8 A.M. to 9 P.M.; Friday, 8 A.M. to 5 P.M.; Saturday, 9 A.M. to 3 P.M.

TUITION, FEES, AND OTHER CHARGES

La Salle College reserves the right to amend or add to the charges listed below at any time and to make such changes applicable to students presently enrolled as well as to new students.

APPLICATION FEE

An application fee of \$5.00 is charged and due at the time of filing the application for admission. This fee covers the cost of administering the entrance examinations or the evaluation of advanced standing credit. No refund will be made on this fee regardless of the decision on admission.

TUITION

The tuition charge is based upon the number of semester credit hours taken in any term. The charge is \$20.00 per semester credit hour.

The total tuition per term is due and payable at the beginning of each term.

INCIDENTAL FEES

SCIENCE LABORATORY FEE

A science laboratory fee of \$5.00 is charged for each course in chemistry and physics involving laboratory instruction. This fee is used to defray the cost of laboratory supplies such as chemicals, glassware, and other laboratory equipment.

GRADUATION FEE

A graduation fee of \$35.00 is payable before graduation by each candidate for a degree. This fee is to cover the cost of the diploma, the use of cap and gown, the Senior yearbook, The *Explorer*, and all other expenses incidental to commencement exercises.

A graduation fee of \$20.00 is payable by each candidate for a Certificate of Proficiency.

PENALTY FEES

LATE REGISTRATION FEE

Students are required to complete their course registration within the period set forth in the College Calendar. Late registration is permitted only with the permission of the Dean of the School and upon the payment of a fee of \$5.00.

SPECIAL FINAL EXAMINATION FEE

Students are expected to take their final examinations during the regular examination period. If permission is granted for a special final examination, the payment of a fee of \$2.00 for each examination is required.

ESTIMATED AVERAGE CHARGES

The charge for a three-course or 11-semester credit hour program of studies per term is \$220.00. This charge does not include the cost of books and supplies. These items average about \$20.00 per term.

For programs less than 11-semester credit hours, deduct a total of \$20.00 per credit hour for tuition from the above estimate.

FINANCIAL ARRANGEMENTS

REGULATIONS

At the time of registration, the student receives an invoice for his tuition and other charges. He is responsible for the payment of the amount of this invoice not later than the first evening of class of each term. Non-receipt or loss of the invoice does not excuse him from the regulation regarding the time of payment.

Payment of the student invoice should be made by check, money order, or cash at the Office of the Bursar. In lieu of payment, a student may file with the Bursar a Bank Loan Application for the full amount of his invoice. The Bank Loan Plan is described on page 38 of this Bulletin.

Payment of invoices by students who register after the first evening of class is due immediately.

Veterans attending under Public Law 550, or students receiving financial assistance from their employers are required to meet their financial obligations to the College in the same manner as all other students.

LA SALLE COLLEGE BANK LOAN PLAN

A Bank Loan Plan is provided by the College for those students who prefer to pay their tuition charges on a monthly deferred basis. These students are required to enter into a contract whereby they agree to pay the full amount of their invoice in five equal installments at the end of each month of the college term. A \$5.50 service charge is included in the prorated repayment.

Complete information regarding the Bank Loan Plan may be obtained at the time of registration or at the Business Office of the College. No other plan for paying the tuition charges on a deferred basis will be acceptable by the College.

Students who have not paid their tuition charges on or before the first evening of the term shall be required to subscribe to the College Bank Loan Plan. Otherwise, they shall be subject to the penalties prescribed under "Financial Delinquency."

FINANCIAL OBLIGATIONS

At the time of registration, each term, the student contracts for the full amount of his tuition regardless of the arrangement for payment. If a student who elects to pay his tuition through the College Bank Loan Plan withdraws from the College, or from one or more courses before the end of the term, he is liable for the full amount of the tuition, subject to the provisions of the "Refund or Remission of Tuition Policy."

REFUND OR REMISSION OF TUITION POLICY

For reasons which the College shall consider valid and within the time limits stated below, a student who withdraws before the end of the term may receive a refund or a remission of part of the unpaid balance of his tuition. Application and penalty fees are not refundable.

The date of withdrawal as shown on the official withdrawal notice, not the last date of attendance as claimed by the student, will serve as the basis for computing any refund or remission granted the student.

When a student who has subscribed to the Bank Loan Plan is granted a tuition adjustment under the "Refund or Remission of Tuition Policy," the College will refund the unearned tuition directly to the Bank. The Bank, in turn, will credit the student's account and notify him accordingly. With the exception of the finance

charges on the amount of the loan actually used, the student will not be required to pay the Bank more than he would be required to pay the College.

REFUND OR REMISSION SCHEDULE

<i>Time of Withdrawal</i>	<i>Refund or Remission</i>
Before the first week	100%
During the first week	90
During the second week	80
During the third week	70
During the fourth week	60
During the fifth week	50
During the sixth week	40
During the seventh week	30
During the eighth week	20
After the eighth week	None

FINANCIAL DELINQUENCY

A student who is financially delinquent or against whom the College holds record of indebtedness shall forfeit the privilege of attending class, and the College shall have the right to withhold report of grades, transcript of record, and diploma of graduation until such indebtedness is paid. A student who is financially delinquent at the close of a term will not be permitted to register for a succeeding term unless his account is settled.

PROGRAMS OF STUDY

The Programs of Study in the Evening Division are outlined in the following section according to the general areas of Business Administration and Science and the major curricula under each of these areas. The required courses for each curriculum are listed by title in the curricular outline for each program of study. These courses are considered basic for the purpose of the program.

Candidates for the Bachelor of Science degree or for the Certificate of Proficiency are required to take the courses in the sequence as outlined in the various curricula. Each student will be given a schedule of courses at the time of registration. Students are encouraged to consult with the Dean of the Evening Division or his assistants for aid in the choice of a major field, elective courses, or any academic problem which may arise.

DEGREE AND CERTIFICATE CURRICULA

BACHELOR OF SCIENCE CURRICULA

The Bachelor of Science curricula are intended for those students who are properly qualified for admission to a degree program and who desire a course of study fulfilling the requirements for a college degree. Programs of study are available in the following fields:

Business Administration

Accounting	Industrial Relations
Industrial Management	Marketing
General Business (Options)	
Distributed	Finance
Economics	Insurance

Science

Chemistry	Electronic Physics
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CERTIFICATE OF PROFICIENCY CURRICULA

The Certificate of Proficiency programs are intended for students who wish to spend not more than three or four years in the Evening Division and who desire a course of study that will assist them in their particular field of interest.

The course requirements for the certificate programs are marked with an asterisk in the curricular outlines which follow in the next section of this Bulletin.

Programs of study leading to the Certificate of Proficiency are available in the Business Administration curricula, and in Chemistry.

BUSINESS ADMINISTRATION

ACCOUNTING PROGRAM

FIRST YEAR

Credits

*Eng. 11	College Composition—Part 1	3
*Acc. 1	Principles of Accounting—Part 1	4
*B.L. 1	Law of Contracts	4
*Eng. 12	College Composition—Part 2	3
*Acc. 2	Principles of Accounting—Part 2	4
*Ind. 1	Introduction to Modern Business	4

SECOND YEAR

Lan.† 1	Elementary Foreign Language—French, German or Spanish, or General Elective	4
*Acc. 14	Intermediate Accounting Theory—Part 1	4
Eco. 1	Principles of Economics—Part 1	3
Lan.† 2	Intermediate Foreign Language—French, German or Spanish, or General Elective	4
*Acc. 24	Intermediate Accounting Theory—Part 2	4
Eco. 2	Principles of Economics—Part 2	3

THIRD YEAR

*Thl.‡ 1	The Bible	3
*Acc. 3	Elementary Cost Accounting	4
Fin. 1	Money and Banking	4
*Eng. 23	Oral Composition	4
*Acc. 5	Auditing	4
*Phl. 1	Logic	3

FOURTH YEAR

Thl.‡ 2	Apologetics	3
*Acc. 8	Individual Federal Income Taxes	4
Eng. 35	Survey of English Literature	4
Phl. 2	Philosophy of Human Nature	3
Acc. 7	Advanced Accounting Theory	4
	Major or Related Elective	4

FIFTH YEAR

Eng. 36	Survey of American Literature	4
Thl.‡ 3	The Mystical Body and the Sacraments	3
Phl. 3	Principles of Moral Philosophy	3
	General Elective	4
	Major or Related Electives	8

SIXTH YEAR

Soc. 12	Industrial Sociology	3
His. 1	United States in World Affairs—Part 1	4
Phl. 4	Problems of Moral Philosophy	3
His. 2	United States in World Affairs—Part 2	4
	General Elective	4
	Major or Related Elective	4

* Courses required for the Certificate of Proficiency in Accounting.

† Foreign Language must be taken if two units of the same language were not taken in high school.

General Electives: French, German, Spanish, Government, and Sociology.

Major Electives: Public Accounting—Accounting 9, and 10. Industrial Accounting—Accounting 6, 10 and 13, Industry 11.

Related Electives: Business Law, Finance, Industry, Insurance, Marketing, and Statistics. Business Law 2, 3 and 4 are recommended in preparation for the State Board Examinations in Accountancy.

‡ Non-Catholics may substitute Philosophy 5, 6 and 7 for courses in Theology.

GENERAL BUSINESS PROGRAM (Distributed Option)

FIRST YEAR

Credits

*Eng. 11	College Composition—Part 1	3
*Acc. 1	Principles of Accounting—Part 1	4
*B.L. 1	Law of Contracts	4
*Eng. 12	College Composition—Part 2	3
*Acc. 2	Principles of Accounting—Part 2	4
*Ind. 1	Introduction to Modern Business	4

SECOND YEAR

Lan.† 1	Elementary Foreign Language—French, German or Spanish, or General Elective	4
Ins. 1	Principles of Insurance	4
*Eco. 1	Principles of Economics—Part 1	3
Lan.† 2	Intermediate Foreign Language—French, German or Spanish, or General Elective	4
Mrk. 1	Principles of Marketing	4
*Eco. 2	Principles of Economics—Part 2	3

THIRD YEAR

*Thl.‡ 1	The Bible	3
*Fin. 1	Money and Banking	4
*Eng. 23	Oral Composition	4
His. 1	United States in World Affairs—Part 1	4
*Phl. 1	Logic	3
	Related Elective	4

FOURTH YEAR

Thl.‡ 2	Apologetics	3
His. 2	United States in World Affairs—Part 2	4
Phl. 2	Philosophy of Human Nature	3
	General Elective	4
	Related Electives	8

FIFTH YEAR

Eng. 35	Survey of English Literature	4
Thl.‡ 3	The Mystical Body and the Sacraments	3
Phl. 3	Principles of Moral Philosophy	3
Sta. 15	Business Mathematics and Elementary Statistics	4
	General Elective	4
	Related Elective	4

SIXTH YEAR

Eng. 36	Survey of American Literature	4
Sta. 21	Business Statistics	4
Soc. 12	Industrial Sociology	3
Phl. 4	Problems of Moral Philosophy	3
	Related Electives	8

* Courses required for the Certificate of Proficiency in General Business.

† Foreign Language must be taken if two units of the same language were not taken in high school.

General Electives: French, German, Spanish, Government, and Sociology.
Related Electives: Accounting, Business Law, Finance, Industry, Insurance, Marketing, and Psychology.

‡ Non-Catholics may substitute Philosophy 5, 6 and 7 for courses in Theology.

GENERAL BUSINESS PROGRAM (Economic Option)

FIRST YEAR

		Credits
*Eng.	11 College Composition—Part 1	3
*Acc.	1 Principles of Accounting—Part 1	4
*B.L.	1 Law of Contracts	4
*Eng.	12 College Composition—Part 2	3
*Acc.	2 Principles of Accounting—Part 2	4
*Ind.	1 Introduction to Modern Business	4

SECOND YEAR

Lan.†	1 Elementary Foreign Language—French, German or Spanish, or General Elective	4
Ins.	1 Principles of Insurance	4
*Eco.	1 Principles of Economics—Part 1	3
Lan.†	2 Intermediate Foreign Language—French, German or Spanish, or General Elective	4
Mrk.	1 Principles of Marketing	4
*Eco.	2 Principles of Economics—Part 2	3

THIRD YEAR

*Thl.†	1 The Bible	3
*Eco.	7 Economic Problems	4
Fin.	1 Money and Banking	4
*Eng.	23 Oral Composition	4
His.	1 United States in World Affairs—Part 1	4
*Phl.	1 Logic	3

FOURTH YEAR

Thl.†	2 Apologetics	3
*Eco.	6 Labor Problems in America	4
His.	2 United States in World Affairs—Part 2	4
Phl.	2 Philosophy of Human Nature	3
*Eco.	3 American Economic History	4
	General Elective	4

FIFTH YEAR

Eng.	35 Survey of English Literature	4
Thl.†	3 The Mystical Body and the Sacraments	3
*Eco.	4 History of Economic Thought	4
Phl.	3 Principles of Moral Philosophy	3
Sta.	15 Business Mathematics and Elementary Statistics	4
	General Elective	4

SIXTH YEAR

Eng.	36 Survey of American Literature	4
Sta.	21 Business Statistics	4
Soc.	12 Industrial Sociology	3
Phl.	4 Problems of Moral Philosophy	3
*Eco.	5 Contemporary Economic Systems	4
	Related Elective	4

* Courses required for the Certificate of Proficiency in General Business—Economics Option.
† Foreign Language must be taken if two units of the same language were not taken in high school.

General Electives: French, German, Spanish, Government, and Sociology.
Related Electives: Business Law, Finance, Insurance, Marketing, and Psychology.

‡ Non-Catholics may substitute Philosophy 5, 6 and 7 for courses in Theology.

GENERAL BUSINESS PROGRAM (Finance Option)

FIRST YEAR

Credits

*Eng. 11	College Composition—Part 1	3
*Acc. 1	Principles of Accounting—Part 1	4
*B.L. 1	Law of Contracts	4
*Eng. 12	College Composition—Part 2	3
*Acc. 2	Principles of Accounting—Part 2	4
*Ind. 1	Introduction to Modern Business	4

SECOND YEAR

Lan.† 1	Elementary Foreign Language—French, German or Spanish, or General Elective	4
Ins. 1	Principles of Insurance	4
Eco. 1	Principles of Economics—Part 1	3
Lan.† 2	Intermediate Foreign Language—French, German or Spanish, or General Elective	4
Mrk. 1	Principles of Marketing	4
Eco. 2	Principles of Economics—Part 2	3

THIRD YEAR

*Thl.‡ 1	The Bible	3
*Fin. 1	Money and Banking	4
*Eng. 23	Oral Composition	4
His. 1	United States in World Affairs—Part 1	4
*Phl. 1	Logic	3
	Related Elective	4

FOURTH YEAR

Thl.‡ 2	Apologetics	3
His. 2	United States in World Affairs—Part 2	4
*Fin. 2	Corporation Finance	4
Phl. 2	Philosophy of Human Nature	3
*Fin. 3	Investment Principles	4
	General Elective	4

FIFTH YEAR

Eng. 35	Survey of English Literature	4
Thl.‡ 3	The Mystical Body and the Sacraments	3
*Fin. 4	Stock Markets	4
Phl. 3	Principles of Moral Philosophy	3
Sta. 15	Business Mathematics and Elementary Statistics	4
	General Elective	4

SIXTH YEAR

Eng. 36	Survey of American Literature	4
Sta. 21	Business Statistics	4
Soc. 12	Industrial Sociology	3
Phl. 4	Problems of Moral Philosophy	3
*Fin. 7	Credit and Collections	4
	Related Elective	4

* Courses required for the Certificate of Proficiency in General Business—Finance Option.

† Foreign Language must be taken if two units of the same language were not taken in high school.

General Electives: French, German, Spanish, Government, and Sociology.

Related Electives: Accounting, Business Law, Economics, Insurance, Marketing, and Psychology.

‡ Non-Catholics may substitute Philosophy 5, 6 and 7 for courses in Theology.

GENERAL BUSINESS PROGRAM (Insurance Option)

FIRST YEAR

		<i>Credits</i>
*Eng.	11 College Composition—Part 1	3
*Acc.	1 Principles of Accounting—Part 1	4
*B.L.	1 Law of Contracts	4
*Eng.	12 College Composition—Part 2	3
*Acc.	2 Principles of Accounting—Part 2	4
*Ind.	1 Introduction to Modern Business	4

SECOND YEAR

Lan.†	1 Elementary Foreign Language—French, German or Spanish, or General Elective	4
*Ins.	1 Principles of Insurance	4
Eco.	1 Principles of Economics—Part 1	3
Lan.†	2 Intermediate Foreign Language—French, German or Spanish, or General Elective	4
Mrk.	1 Principles of Marketing	4
Eco.	2 Principles of Economics—Part 2	3

THIRD YEAR

*Thl.‡	1 The Bible	3
His.	1 United States in World Affairs—Part 1	4
*Ins.	2 Principles of Life Insurance	4
*Eng.	23 Oral Composition	4
*Ins.	3 Fire and Inland Marine Insurance	4
*Phil.	1 Logic	3

FOURTH YEAR

Thl.‡	2 Apologetics	3
*Ins.	4 Casualty Insurance	4
His.	2 United States in World Affairs—Part 2	4
Phil.	2 Philosophy of Human Nature	3
Fin.	1 Money and Banking	4
	General Elective	4

FIFTH YEAR

Eng.	35 Survey of English Literature	4
Thl.‡	3 The Mystical Body and the Sacraments	3
B.L.	3 Law of Personal Property	4
Phil.	3 Principles of Moral Philosophy	3
Sta.	15 Business Mathematics and Elementary Statistics	4
	General Elective	4

SIXTH YEAR

Eng.	36 Survey of American Literature	4
Sta.	21 Business Statistics	4
Soc.	12 Industrial Sociology	3
Phil.	4 Problems of Moral Philosophy	3
	Related Electives	8

* Courses required for the Certificate of Proficiency in General Business—Insurance Option.

† Foreign Language must be taken if two units of the same language were not taken in high school.

General Electives: French, German, Spanish, Government, and Sociology.

Related Electives: Accounting, Business Law, Economics, Finance, Marketing, and Psychology.

‡ Non-Catholics may substitute Philosophy 5, 6 and 7 for courses in Theology.

INDUSTRIAL MANAGEMENT PROGRAM

FIRST YEAR

Credits

*Eng. 11	College Composition—Part 1	3
*B.L. 1	Law of Contracts	4
*Acc. 1	Principles of Accounting—Part 1	4
*Eng. 12	College Composition—Part 2	4
*Ind. 1	Introduction to Modern Business	3
*Acc. 2	Principles of Accounting—Part 2	4

SECOND YEAR

Lan.† 1	Elementary Foreign Language—French, German or Spanish, or General Elective	4
Eco. 1	Principles of Economics—Part 1	3
*Ind. 2	Industrial Management	4
Lan.† 2	Intermediate Foreign Language—French, German or Spanish, or General Elective	4
Eco. 2	Principles of Economics—Part 2	3
*Sta. 15	Business Mathematics and Elementary Statistics	4

THIRD YEAR

*Thl.‡ 1	The Bible	3
*Ind. 4	Methods Analysis and Time Study	4
His. 1	United States in World Affairs—Part 1	4
*Eng. 23	Oral Composition	4
*Phil. 1	Logic	3
*Ind. 5	Manufacturing Processing and Blueprint Reading	4

FOURTH YEAR

Thl.‡ 2	Apologetics	3
*Ind. 7	Production Control	4
His. 2	United States in World Affairs—Part 2	4
Phil. 2	Philosophy of Human Nature	3
Ind. 8	Plant Layout	4
	General Elective	4

FIFTH YEAR

Eng. 35	Survey of English Literature	4
Thl.‡ 3	The Mystical Body and the Sacraments	3
Phil. 3	Principles of Moral Philosophy	3
	General Elective	4
	Major or Related Electives	8

SIXTH YEAR

Eng. 36	Survey of American Literature	4
Sta. 21	Business Statistics	4
Soc. 12	Industrial Sociology	3
Phil. 4	Problems of Moral Philosophy	3
Ind. 9	Industrial Administration	4
	Major or Related Elective	4

* Courses required for the Certificate of Proficiency in Industrial Management.

† Foreign Language must be taken if two units of the same language were not taken in high school.

General Electives: French, German, Spanish, Government, and Sociology.

Major Electives: Industry 3, 10, 11, 12, 14 and 16, and Psychology.

Related Electives: Accounting, Business Law, Economics, Finance, Insurance, and Marketing.

‡ Non-Catholics may substitute Philosophy 5, 6 and 7 for courses in Theology.

INDUSTRIAL RELATIONS PROGRAM

FIRST YEAR

Credits

*Eng. 11	College Composition—Part 1	3
*B.L. 1	Law of Contracts	4
*Acc. 1	Principles of Accounting—Part 1	4
*Eng. 12	College Composition—Part 2	3
*Ind. 1	Introduction to Modern Business	4
*Acc. 2	Principles of Accounting—Part 2	4

SECOND YEAR

Lan.† 1	Elementary Foreign Language—French, German or Spanish, or General Elective	4
Eco. 1	Principles of Economics—Part 1	3
*Ind. 2	Industrial Management	4
Lan.† 2	Intermediate Foreign Language—French, German or Spanish, or General Elective	4
Eco. 2	Principles of Economics—Part 2	3
*Ind. 3	Personnel Management	4

THIRD YEAR

*Thl.‡ 1	The Bible	3
*Eco. 6	Labor Problems in America	4
His. 1	United States in World Affairs—Part 1	4
*Eng. 23	Oral Composition	4
His. 2	United States in World Affairs—Part 2	4
*Phl. 1	Logic	3

FOURTH YEAR

Thl.‡ 2	Apologetics	3
*Ind. 6	Labor Legislation	4
Psy. 1	Psychology of Adjustment	4
Phl. 2	Philosophy of Human Nature	3
*Ind. 12	Compensation Methods and Job Evaluation	4
	General Elective	4

FIFTH YEAR

Eng. 35	Survey of English Literature	4
Thl.‡ 3	The Mystical Body and the Sacraments	3
*Ind. 13	Collective Bargaining	4
Phl. 3	Principles of Moral Philosophy	3
Sta. 15	Business Mathematics and Elementary Statistics	4
	General Elective	4

SIXTH YEAR

Eng. 36	Survey of American Literature	4
Sta. 21	Business Statistics	4
Soc. 12	Industrial Sociology	3
Phl. 4	Problems of Moral Philosophy	3
Ind. 9	Industrial Administration	4
	Major or Related Elective	4

* Courses required for the Certificate of Proficiency in Industrial Relations.

† Foreign Language must be taken if two units of the same language were not taken in high school.

General Electives: French, German, Spanish, Government, and Sociology.

Major Electives: Industry 4, 11 and 14.

Related Electives: Business Law, Insurance, Marketing, and Psychology 2.

‡ Non-Catholics may substitute Philosophy 5, 6 and 7 for courses in Theology.

MARKETING PROGRAM

FIRST YEAR

Credits

*Eng. 11	College Composition—Part 1	3
*B.L. 1	Law of Contracts	4
*Acc. 1	Principles of Accounting—Part 1	4
*Eng. 12	College Composition—Part 2	3
*Ind. 1	Introduction to Modern Business	4
*Acc. 2	Principles of Accounting—Part 2	4

SECOND YEAR

Lan.† 1	Elementary Foreign Language—French, German or Spanish, or General Elective	4
*Mrk. 1	Principles of Marketing	4
Eco. 1	Principles of Economics—Part 1	3
Lan.† 2	Intermediate Foreign Language—French, German or Spanish, or General Elective	4
*Mrk. 2	Retail Methods and Policies	4
Eco. 2	Principles of Economics—Part 2	3

THIRD YEAR

*Thl.‡ 1	The Bible	3
*Mrk. 3	Personal Selling	4
Fin. 1	Money and Banking	4
*Eng. 23	Oral Composition	4
*Phl. 1	Logic	3
His. 1	United States in World Affairs—Part 1	4

FOURTH YEAR

Thl.‡ 2	Apologetics	3
*Mrk. 4	Sales Administration	4
His. 2	United States in World Affairs—Part 2	4
Phl. 2	Philosophy of Human Nature	3
	General Elective	4
	Related Elective	4

FIFTH YEAR

Eng. 35	Survey of English Literature	4
Thl.‡ 3	The Mystical Body and the Sacraments	3
*Mrk. 5	Advertising	4
Phl. 3	Principles of Moral Philosophy	3
Sta. 15	Business Mathematics and Elementary Statistics	4
	General Elective	4

SIXTH YEAR

Eng. 36	Survey of American Literature	4
Sta. 21	Business Statistics	4
Soc. 12	Industrial Sociology	3
Phl. 4	Problems of Moral Philosophy	3
*Mrk. 6	Market Research	4
	Related Elective	4

* Courses required for the Certificate of Proficiency in Marketing.

† Foreign Language must be taken if two units of the same language were not taken in high school.

General Electives: French, German, Spanish, Government, and Sociology.

Related Electives: Business Law, Economics, Finance, Industry and Psychology.

‡ Non-Catholics may substitute Philosophy 5, 6 and 7 for courses in Theology.

SCIENCE

CHEMISTRY PROGRAM¹

FIRST YEAR

Credits

*Eng. 11	College Composition—Part 1	3
*Chm. 11	General Inorganic Chemistry—Part 1	4
*Mth. 11	Algebra and Trigonometry—Part 1	4
*Eng. 12	College Composition—Part 2	3
*Chm. 12	General Inorganic Chemistry—Part 2	4
*Mth. 12	Algebra and Trigonometry—Part 2	4

SECOND YEAR

*Thl. ‡ 1	The Bible	3
*Chm. 23	Organic Chemistry—Part 1	4
*Mth. 23	Analytic Geometry and Calculus—Part 1	4
*Eng. 23	Oral Composition	4
*Chm. 24	Organic Chemistry—Part 2	4
*Mth. 24	Analytic Geometry and Calculus—Part 2	4

THIRD YEAR

Thl. ‡ 2	Apologetics	3
*Chm. 25	Qualitative Chemical Analysis	4
*Mth. 25	Analytic Geometry and Calculus—Part 3	4
Eng. 35	Survey of English Literature	4
*Chm. 26	Quantitative Chemical Analysis	4
*Phl. 1	Logic	3

FOURTH YEAR

*Phy. 11	General Physics—Part 1	4
His. 1	United States in World Affairs—Part 1	4
Chm. 33	Biochemistry	3
Eng. 36	Survey of American Literature	4
*Phy. 12	General Physics—Part 2	4
Chm. 34	Theoretical Organic Chemistry	3

FIFTH YEAR

Ger. † 1	Elementary German	4
Thl. ‡ 3	The Mystical Body and the Sacraments	3
Chm. 40	Qualitative Organic Analysis	4
Ger. † 2	Intermediate German	4
Phl. 2	Philosophy of Human Nature	3
Chm. 39	Quantitative Organic Analysis	4

SIXTH YEAR

Chm. 41	Chemical Literature	2
Phl. 3	Principles of Moral Philosophy	3
*Chm. 47	Physical Chemistry—Part 1	5
Phl. 4	Problems of Moral Philosophy	3
His. 2	United States in World Affairs—Part 2	4
*Chm. 48	Physical Chemistry—Part 2	5

¹ Chemistry Program revised September 1961.

* Courses required for the Certificate of Proficiency in Chemistry.

† Foreign Language: German is required for Chemistry Majors.

‡ Non-Catholics may substitute Philosophy 5, 6 and 7 for courses in Theology.

ELECTRONIC PHYSICS PROGRAM¹

FIRST YEAR

Credits

Eng. 11	College Composition—Part 1	3
His. 1	United States in World Affairs—Part 1	4
Mth. 11	Algebra and Trigonometry—Part 1	4
Eng. 12	College Composition—Part 2	3
His. 2	United States in World Affairs—Part 2	4
Mth. 12	Algebra and Trigonometry—Part 2	4

SECOND YEAR

Phy. 11	General Physics—Part 1	4
Phil. 1	Logic	3
Mth. 23	Analytic Geometry and Calculus—Part 1	4
Phy. 12	General Physics—Part 2	4
Phil. 2	Philosophy of Human Nature	3
Mth. 24	Analytic Geometry and Calculus—Part 2	4

THIRD YEAR

Thl.† 1	The Bible	3
Phy. 13	General Physics—Part 3	4
Mth. 25	Analytic Geometry and Calculus—Part 3	4
Eng. 23	Oral Composition	4
Phy. 23	Circuit Theory—Part 1	4
Mth. 36	Differential Equations	4

FOURTH YEAR

Thl.† 2	Apologetics	3
Phy. 24	Circuit Theory—Part 2	4
Mth. 47	Applied Mathematics—Part 1	4
Eng. 35	Survey of English Literature	4
Phy. 35	Electronic Circuits—Part 1	4
Mth. 48	Applied Mathematics—Part 2	4

FIFTH YEAR

Eng. 36	Survey of American Literature	4
Thl.† 3	The Mystical Body and the Sacraments	3
Phy. 36	Electronic Circuits—Part 2	4
Phy. 37	Electronic Circuits—Part 3	4
Phil. 3	Principles of Moral Philosophy	3
Phy. 48	Field Theory	4

SIXTH YEAR

Phil. 4	Problems of Moral Philosophy	3
Phy. 49	Circuit Theory—Part 3	4
Phy. 41	Lecture Demonstrations in Circuitry—Part 1	4
Phy. 50	Electronic Circuits—Part 4	4
Phy. 42	Lecture Demonstrations in Circuitry—Part 2	4
	General Elective	3

¹ Electronic Physics Program revised September 1961.

General Electives: Government, Psychology, and Sociology.

† Non-Catholics may substitute Philosophy 5, 6 and 7 for courses in Theology.

DESCRIPTION OF COURSES

The courses listed below will be given in accordance with the outlined program of study or when there is a minimum enrollment of 12 students.

ACCOUNTING

JOSEPH A. RIDER, M.A., *Co-Chairman*

ACCOUNTING 1. PRINCIPLES OF ACCOUNTING—PART 1.

4 credits

The purpose of this course is to introduce the elements of accounting to future accountants and to those who are interested in other phases of business administration. A thorough training is given in the fundamental principles of recording business transactions, including a study of the presentation and interpretation of the financial data of a single proprietorship, partnership and corporation.

ACCOUNTING 2. PRINCIPLES OF ACCOUNTING—PART 2.

Prerequisite, Accounting 1.

4 credits

Continuing the purpose of Accounting 1, this course embodies a detailed study of the application of current accounting principles and procedures to such problems as balance sheet valuation, profit determination, equity presentation, flow of working capital, application of funds, and comparative statement presentation and analysis.

ACCOUNTING 3. ELEMENTARY COST ACCOUNTING.

Prerequisite, Accounting 2.

4 credits

Elementary Cost Accounting is designed to acquaint the student with the basic principles applied to the job cost and process cost systems, and with the uses and interpretations of cost information. The principal topics are the purchasing and issuing of materials and the maintenance of perpetual inventory records; control of labor; methods of distributing factory overhead expenses; evaluation of the problems involved in shrinkage and idle time; consideration of the forms used in job and process cost systems; and discussion of the necessity, importance and place of cost accounting in modern enterprises.

ACCOUNTING 14. INTERMEDIATE ACCOUNTING THEORY—PART 1.

Prerequisite, Accounting 2.

4 credits

The general purpose of both parts of this course is to present the theories and problems, beyond the elementary level, which involve the proper recording of transactions and the preparation of financial statements. The first part comprises a review of the accounting cycle; a general discussion of the preparation of financial statements; a detailed analysis of theory as applied to transactions affecting current assets, current liabilities, long-term investments, and their presentation on the balance sheet.

ACCOUNTING 24. INTERMEDIATE ACCOUNTING THEORY—PART 2.

Prerequisite, Accounting 14.

4 credits

The second part of Intermediate Accounting Theory includes a detailed presentation of theory as applied to plant and equipment, intangible assets, long-term debt, capital stock and surplus; the correction of errors of prior periods; an analysis of financial statements; and the statement of application of funds.

ACCOUNTING 5. AUDITING.

Prerequisite, Accounting 24.

4 credits

Auditing is designed to give the student practical training in modern audit practices, emphasizing the principles and objectives sought in an audit. Emphasis is also placed upon the audit basis, the best audit standards, an objective basis of reporting, the adoption of improved accounting standards, the acquisition of an intimate knowledge of business controls, professional ethics and legal liability.

ACCOUNTING 6. ADVANCED COST ACCOUNTING.

Prerequisite, Accounting 3.

4 credits

Advanced Cost Accounting extends the objectives of the elementary course for students who intend to work in the field of industrial accounting. The course covers the economic, industrial and managerial aspects of cost accounting with emphasis on the flexible budget as a basis for cost control, and on the analysis of variance and graphic charts. Special emphasis is placed on the study of estimated costs, standard costs and distribution costs. (*Given in the Spring Term only.*)

ACCOUNTING 7. ADVANCED ACCOUNTING THEORY.

Prerequisite, Accounting 24.

4 credits

The purpose of this course is to give the accounting student a degree of maturity in the subject which will enable him to integrate, analyze and apply the outcomes of accounting to any business activity. The topics are installment sales; consignment sales; statement of affairs; insurance; estates; trusts; partnership liquidations; branch and agency accounting; consolidated balance sheets; and consolidated profit and loss. (*Given in the Fall Term only.*)

ACCOUNTING 8. INDIVIDUAL FEDERAL INCOME TAXES.

Prerequisite, Accounting 2.

4 credits

The primary purpose of this course is to give a comprehensive explanation of the federal tax structure as it applies to individuals and to provide experience in the application of tax principles to specific problems. The course covers the following topics: types of returns; rates; business and personal income; sales and exchange; business and personal deductions; and withheld and prepaid taxes.

ACCOUNTING 9. ADVANCED ACCOUNTING PROBLEMS.

Prerequisite, Accounting 7.

4 credits

This course is a review of advanced material covering the entire accounting field. The problems considered include partnership liquidations, fiduciary

accounting, consolidations, federal and state taxes, municipal accounting, and other problems. (*Given in the Spring Term only.*)

ACCOUNTING 10. CORPORATE AND OTHER TAXES.

Prerequisite, Minimum C grade in Accounting 8. 4 credits

The course in Corporate and Other Taxes includes a review of the federal revenue system; partnership returns; federal corporate income tax; federal estate and federal gift taxes; State of Pennsylvania corporation taxes; City of Philadelphia taxes. The student will gain insight into the entire tax structure through the preparation and discussion of each type of tax return.

ACCOUNTING 13. BUDGETARY PLANNING AND CONTROL.

Prerequisite, Accounting 6. 4 credits

The course provides a study of the principles of business planning for financial control of future operations through the use of budgetary systems. Each section of the budget is treated; the various sections are assembled, and a master budget is prepared. Types and uses of budgets are discussed. (*Given in the Fall Term only.*)

BUSINESS LAW

ROBERT F. LAVELLE, LL.B., *Co-Chairman*

BUSINESS LAW 1. LAW OF CONTRACTS.

4 credits

Law of Contracts is designed to introduce the student to the essential elements required in the formation of valid contracts. The topics are the nature and source of law; courts and procedures; crimes and torts; rules governing the drafting of contracts; the rights of individuals; the establishment of the relationship of principal and agent, and their duties to one another and to third persons.

BUSINESS LAW 2. LAW OF NEGOTIABLE INSTRUMENTS.

Prerequisite, Business Law 1. 4 credits

The first half of the course deals with the application of the principles of common law and those of the Uniform Negotiable Instrument Act to the various papers used in business transactions. The second half covers the laws of principal and surety, and insurer and insured as related to the use of business papers. (*Given in the Fall Term only.*)

BUSINESS LAW 3. LAW OF PERSONAL PROPERTY.

Prerequisite, Business Law 1. 4 credits

The purpose of this course is to give the student a basic understanding of the nature and classification of property, sales and security transactions. The principal topics are personal property, bailments, carriers, secured transactions, sales, and acquisition and transfer of title. The provisions of the Uniform Commercial Code are applicable to this course. (*Given in the Fall Term only.*)

BUSINESS LAW 4. LAW OF BUSINESS ASSOCIATIONS.

Prerequisite, Business Law 1.

4 credits

Law of Business Associations covers the common and statute laws relative to the creation, operation and termination of partnerships, joint stock companies, business trusts, and corporations. Throughout the course, emphasis is placed upon the Uniform Partnership Act and the Incorporation Act of the State of Pennsylvania. (*Given in the Spring Term only.*)

BUSINESS LAW 6. LAW OF REAL ESTATE.

Prerequisite, Business Law 2.

4 credits

The purpose of this course is to provide an understanding of the legal problems involved in real estate transactions and an appreciation of the value of legal counsel. The principal topics are real estate brokerage relationship, personal property and fixtures, rights in real estate, co-ownership, acquisition of title, recording and evidence of title, contract to sell, mortgages, deeds, liens, landlord and tenant, restrictions and zoning, and eminent domain. (*Given in the Spring Term only.*)

CHEMISTRY¹

JOHN O. VAN HOOK, Ph.D., Co-Chairman

CHEMISTRY 11. GENERAL INORGANIC CHEMISTRY—PART 1.

4 credits

The aim of this course is to provide the student with a firm theoretical basis for the understanding of the fundamentals of inorganic chemistry. The content of the first part of the course includes stoichiometry, the states of matter, thermochemistry, atomic and molecular structure, and the periodic chart. The descriptive chemistry is concerned principally with the non-metals. (*Given in the Fall Term only.*)

CHEMISTRY 12. GENERAL INORGANIC CHEMISTRY—PART 2.

Prerequisite, Chemistry 11.

4 credits

This course is a continuation of Chemistry 11. The content includes solutions, ionic equilibria, oxidation and reduction, electrochemistry, complex ions and nuclear chemistry. The descriptive chemistry of the metals is also treated. (*Given in the Spring Term only.*)

CHEMISTRY 23. ORGANIC CHEMISTRY—PART 1.

Prerequisite, Chemistry 12.

4 credits

The purpose of the first part of the course is to present the theoretical aspects of organic chemistry together with the structure, nomenclature, syntheses, and physical and chemical properties of the main classes of organic compounds. The aliphatic compounds are studied with emphasis on bond structure, reaction mechanisms, stereochemistry, and the correlation of structure with physical and chemical properties. Petroleum chemistry, proteins and carbohydrates are treated as special topics. (*Given in the Fall Term only.*)

¹ Revised departmental course numbers effective September 1961.

CHEMISTRY 24. ORGANIC CHEMISTRY—PART 2.

Prerequisite, Chemistry 23.

4 credits

In the second part of Organic Chemistry, monofunctional and polyfunctional aromatic compounds, and polyfunctional aliphatic compounds are considered. These compounds are discussed from the viewpoint of reaction mechanisms and synthetic sequences. Both aliphatic and aromatic compounds are also treated under the three categories of substitution, addition and elimination reactions. (*Given in the Spring Term only.*)

CHEMISTRY 25. QUALITATIVE ANALYSIS.

Prerequisite, Chemistry 12.

4 credits

The purpose of this course is to provide the student with a knowledge of the theory and practice of systematic qualitative inorganic analysis. The topics covered are the reactions of the metal ions and the anions, the structure of compounds and the coordination theory. The solutions of problems involving chemical equations and equilibria are also included. Practical applications of the analytical procedure are provided in the laboratory using semi-micro techniques. (*Not offered in 1961-62.*)

CHEMISTRY 26. QUANTITATIVE ANALYSIS

Prerequisite, Chemistry 12.

4 credits

The content of the first course in Quantitative Analysis consists of a study of the theory, the procedures, and the stoichiometric calculations of volumetric and gravimetric analysis. Experiments designed to develop analytical techniques are performed in the laboratory. (*Not offered in 1961-62.*)

CHEMISTRY 33. BIOCHEMISTRY.

Prerequisite, Chemistry 24.

3 credits

This course is concerned with the study of the chemistry of substances associated with living processes. The role of water, proteins, carbohydrates and fats, together with their interrelation are considered. Special emphasis is placed on the correlation of the structure of natural polymers with their physical properties. (*Given in the Fall Term only.*)

CHEMISTRY 34. THEORETICAL ORGANIC CHEMISTRY.

Prerequisite, Chemistry 24.

3 credits

The purpose of this course is to extend the study of organic chemistry by giving consideration to the theoretical concepts of the structure and reactions of organic compounds. The nature of chemical bonds, the mechanisms of organic reactions and chemical kinetics are topics of special interest. (*Given in the Spring Term only.*)

CHEMISTRY 39. QUANTITATIVE ORGANIC ANALYSIS.

Prerequisites, Chemistry 24, and 26.

4 credits

The lectures will emphasize the quantitative determination of the functional groups of organic compounds and the application of analytical procedures to organic mixtures. The laboratory work will include elemental as well as functional group analyses. (*Given in the Spring Term only.*)

CHEMISTRY 40. QUALITATIVE ORGANIC ANALYSIS.

Prerequisites, Chemistry 24, and 26.

4 credits

The purpose of this course is to introduce the student to research methods while broadening his knowledge of organic chemistry. The course content consists of the solution of problems involving the structure and reactions of organic compounds. In the laboratory, experiments concerned with the identification of compounds and with the separation and identification of the components of mixtures are performed. (*Given in the Fall Term only.*)

CHEMISTRY 41. CHEMICAL LITERATURE.

Prerequisites, Chemistry 11 through 26.

2 credits

This course offers a study of the use of chemical literature including periodicals, patents, government publications, trade journals and bibliographies. Projects and reports stressing the use of Beilstein and Chemical Abstracts are required.

CHEMISTRY 47. PHYSICAL CHEMISTRY—PART 1.

Prerequisites, Chemistry 26, Mathematics 25, and Physics 12.

5 credits

The general purpose of this course is to familiarize the student with the fundamentals of physical chemistry and their application to various physical and chemical systems. The contents of Part 1 are ideal and real gases, liquids, solids, elementary thermodynamics, thermochemistry, solutions, homogeneous and heterogeneous equilibria. (*Not offered in 1961-62.*)

CHEMISTRY 48. PHYSICAL CHEMISTRY—PART 2.

Prerequisite, Chemistry 47.

5 credits

The contents of Part 2 are electrical conductance, electrochemistry, chemical thermodynamics, chemical kinetics, and atomic and molecular structure. (*Not offered in 1961-62.*)

ECONOMICS

JOSEPH F. FLUBACHER, Ed.D., *Chairman*

ECONOMICS 1. PRINCIPLES OF ECONOMICS—PART 1.

3 credits

This is a general introductory course designed to acquaint the student with fundamental economic principles and processes. The topics to be discussed in both parts of this course will include the organization of production, monopoly and competition, money and banking, governmental monetary and fiscal policy, price levels, the national income, level and fluctuation in income and employment, the price system, international trade, and the social encyclicals.

ECONOMICS 2. PRINCIPLES OF ECONOMICS—PART 2.

Prerequisite, Economics 1.

3 credits

This course is a continuation of Economics 1. The content follows the description given above.

ECONOMICS 3. AMERICAN ECONOMIC HISTORY.

Prerequisite, Economics 2.

4 credits

The purpose of this course is to acquaint the student with the economic development of the United States from the colonial age to the present time. Topics to be discussed will include Mercantilism and the colonial economy; economic aspects of the American Revolution and of the formation of the nation; the Industrial Revolution; land policy and agriculture; economic aspects of the Civil War; monetary problems and banking; the frontier; big business; imperialism and the growth of our contemporary economy through two world wars. (*Given in the Spring Term only.*)

ECONOMICS 4. HISTORY OF ECONOMIC THOUGHT.

Prerequisite, Economics 2.

4 credits

This course is designed to give the student a knowledge of the historical development of economic thought from ancient times to the present. The principal topics treated are the contributions of the ancient philosophers, the Scholastics, the Mercantilists, the Classicists and the German Historical Schools. (*Not offered in 1961-62.*)

ECONOMICS 5. CONTEMPORARY ECONOMIC SYSTEMS.

Prerequisite, Economics 4.

4 credits

This course is, in part, a continuation of Economics 4. It is also designed to give the student a knowledge of the soviet and fascist economies. The principal topics treated are the Marginal Utility School, Neo-Classicalists, American economic thought, and the economics of J. M. Keynes. These are followed by a survey of socialist thought, utopian and scientific; and an examination of the rise and development of the soviet and fascist economies. The socio-economic program of the papal encyclicals is also considered. (*Not offered in 1961-62.*)

ECONOMICS 6. LABOR PROBLEMS IN AMERICA.

Prerequisite, Economics 2.

4 credits

This course provides the student with an understanding of the roles played by unions, employers and the government in the solution of the major economic and non-economic problems of the worker in the United States. The structure, philosophy and function of management in the area of collective bargaining are analyzed. The role of the government in employee-management relations is also examined. The various solutions to the problems of unemployment, substandard wages and personal insecurity are explored and their effectiveness evaluated. Existing and proposed labor legislation are surveyed. (*Given in the Spring Term only.*)

ECONOMICS 7. ECONOMIC PROBLEMS.

Prerequisite, Economics 2.

4 credits

The aim of this course is to analyze and discuss some of the major current economic problems of national life. Typical problems treated will be those of monopoly, labor, monetary and fiscal policy, economic growth and fluctuations, taxation, and international trade and tariff. (*Given in the Fall Term only.*)

ENGLISH¹ROBERT J. ROWLAND, M.A., *Co-Chairman*

ENGLISH 01. VERBAL COMPREHENSION.

This course is required of all students whose entrance examinations give evidence of the need for the increasing of comprehension skills. The objectives of the course are to improve study techniques, listening skills, reading speed and comprehension, work habits, and efficient utilization of time. This course carries no college credit.

ENGLISH 02. FUNDAMENTALS OF ENGLISH.

Fundamentals of English is a review course in grammar and composition intended for those who show by examination that they are not fully prepared for English 11. This course carries no college credit.

ENGLISH 11. COLLEGE COMPOSITION—PART 1.

3 credits

A brief historical consideration of the language followed by a thorough study of grammar is the basis of a course designed to impress upon the student the importance of language as a medium for the expression of ideas and the necessity of logical thought in the achievement of clarity and conciseness of expression. Special emphasis is placed on the development of vocabulary, on the improvement of reading habits, and particularly on self criticism as a means to aid the student in avoiding the common errors of composition.

ENGLISH 12. COLLEGE COMPOSITION—PART 2.

Prerequisite, English 11.

3 credits

Part 2 of College Composition is a study of the various types of writing with original exercises in each type. The written composition emphasizes the Definition of an Abstract Term, the Exposition of a Process, the Précis, Description, the Character Sketch, Criticism, Informal Argument, and the Research Paper. In addition, selected readings are assigned for class discussion.

ENGLISH 23. ORAL COMPOSITION.

4 credits

Oral composition is a course in which the elements of speech are stressed. Special attention will be given to the composition and delivery of speeches.

ENGLISH 35. SURVEY OF ENGLISH LITERATURE.

Prerequisite, English 12.

4 credits

A study of the lives and works of the influential authors in the main stream of English Literature is the purpose of this survey course. In each period—Old English, Middle Ages, Renaissance, Restoration and Eighteenth Century, Romantic, and Victorian—consideration is given to social background, to the development of distinct literary types and movements, and to the philosophical spirit of the age.

¹ Revised departmental course numbers effective September 1961.

ENGLISH 36. SURVEY OF AMERICAN LITERATURE.

Prerequisite, English 12.

4 credits

The Survey of American Literature is a study of the principal authors and of the main trends of American thought in literature from Colonial times to the present day. Special consideration is given to historical and philosophical background, to the Continental influence on American thought, to the development of national themes, and to the rise of naturalism, romanticism, transcendentalism, and realism.

ENGLISH 44. REPORT WRITING.

Prerequisite, A minimum C grade in English 11 and 12.

4 credits

The course in Report Writing is designed to give the student experience in writing reports and articles on science and business administration subjects. After a brief review of the major pitfalls in the organization of material, word choice, and usage, it offers practice in the preparation of various types of business and science communications, ranging from informal memoranda, letters, and progress reports to longer, more comprehensive projects. The course includes some study of research tools and current technical periodicals, and embraces oral discussions, outlines, and written proposals on such problems as information gathering, fitting format, and style. The major project is the preparation of a full-length research report.

FINANCE

VINCENT D. BRADLEY, M.B.A., *Co-Chairman*

FINANCE 1. MONEY AND BANKING.

4 credits

Money and Banking is a course which is designed to give the student an understanding of the nature and operation of our money and banking systems and of the application of monetary and banking theory to current problems. Particular emphasis is placed on monetary standards and commercial bank operations. The effects of Federal Reserve policy and Federal Treasury fiscal policies on financial institutions are fully treated.

FINANCE 2. CORPORATION FINANCE.

Prerequisite, Finance 1.

4 credits

Corporation Finance is a study of the fundamental principles of business finance. The topics included in this course are promotion, forms of business organization, stocks, bonds, notes and underwriting methods, capitalization, surplus and dividend policies, business failures and reorganizations. (*Given in the Fall Term only.*)

FINANCE 3. INVESTMENT PRINCIPLES.

Prerequisite, Finance 1.

4 credits

The purpose of this course is to familiarize the student with the principles of sound and prudent procedures for the investment of funds. The main topics are principles of security analysis and their application to industrial, railroad, public utility, government and municipal investments. Other

outlets are also covered including life insurance, savings banks, and real estate. The effect of taxation on investment policy and personal portfolio administration is considered. (*Given in the Fall Term only.*)

FINANCE 4. STOCK MARKETS.

Prerequisite, Finance 1.

4 credits

The content of the course Stock Markets includes the following topics: the benefits rendered by exchanges to the business community; the factors affecting security prices; mechanics of security exchanges and clearing house systems; types of dealers and brokers; and the methods of buying, selling and handling securities. (*Given in the Spring Term only.*)

FINANCE 5. ANALYSIS OF FINANCIAL STATEMENTS.

Prerequisites, Accounting 1 and 2.

4 credits

The purpose of this course is to provide the student with an understanding of the procedures for the analysis of financial statements. The topics are viewpoints of analysis, the balance sheet, the income statement, statement of sources and application of funds, and surplus accounts. Emphasis is placed on industrial corporation statements.

FINANCE 7. CREDIT AND COLLECTIONS.

Prerequisite, Finance 1.

4 credits

This course is a detailed study of the organization and management of a credit department, investigation techniques, principles of statement analysis, collection methods, and the legal aspects of bankruptcy and receivership in credit work. (*Given in the Spring Term only.*)

GOVERNMENT

ROBERT J. COURTNEY, Ph.D., *Co-Chairman*

GOVERNMENT 1. THE SCIENCE OF GOVERNMENT.

4 credits

This course is designed to give the student an appreciation of the principles, theories, development and practical workings of the major modern governments. The content of the course includes a consideration of the theory and elements of the state; a comparison of the governments of Great Britain, France, the United States and Russia; a treatment of revolutions, constitutions, federations, suffrage, the party system, and citizenship; a discussion of the legislative, executive, judicial and administrative branches of the major governments; and involvement in international problems.

GOVERNMENT 2. AMERICAN FEDERAL GOVERNMENT.

4 credits

This course provides a basic understanding of the organization, operation and function of the Federal Government of the United States. The principal topics considered are the constitutional basis of the Federal Government, the rights of the people, the political processes, and the organization, powers and operation of the various branches of the government.

HISTORY

UGO DONINI, M.A., *Chairman*

HISTORY 1. THE UNITED STATES IN WORLD AFFAIRS—PART 1.

4 credits

This course deals with the political, intellectual, social, economic, and religious development of the United States; and its relation and influence on world affairs from the French and Indian wars to the end of the Civil War. Emphasis is laid upon the achievement of a broad picture of the formative years of the American Nation.

HISTORY 2. THE UNITED STATES IN WORLD AFFAIRS—PART 2.

4 credits

This course deals with the political, intellectual, social, economic, and religious development of the United States; and its relation and influence on world affairs from the period of reconstruction following the Civil War to the present time. Special attention is given to newer interpretations of recent world affairs.

INDUSTRY

JOSEPH E. CROWLEY, LL.B., *Co-Chairman*

INDUSTRY 1. INTRODUCTION TO MODERN BUSINESS.

4 credits

The purpose of this course is to acquaint the student with the important functions performed by modern business and industry. The content is a survey of these functions and a treatment of their relationship to each other from both a theoretical and a practical viewpoint.

INDUSTRY 2. INDUSTRIAL MANAGEMENT.

Prerequisite, Industry 1.

4 credits

The course in Industrial Management is a survey of the significant phases of management which is intended to acquaint the student with basic manufacturing problems and to prepare him for the more intensive courses of the management curriculum. The content of the course includes a review of management principles and philosophy; a consideration of problems related to plant location and organization, choice of equipment, plant layout, materials handling, time study, incentive plans and wage formulas. Production control, quality control, purchasing and personnel problems are also considered. Some case study methods are introduced for the solution of practical problems.

INDUSTRY 3. PERSONNEL MANAGEMENT.

Prerequisite, Industry 2.

4 credits

The aim of this course is to prepare students to understand and analyze methods, procedures and practices applicable to personnel management. The content of the course is concerned with the analysis of existing programs, and the adaptation and development of procedures and methods which will insure a smooth-running, efficient personnel department.

INDUSTRY 4. METHODS ANALYSIS AND TIME STUDY.

Prerequisites, Industry 2, and Statistics 15.

4 credits

The purpose of this course is to give the student a general understanding of the position of the time and motion study analyst in modern industry and, more especially, a knowledge of the tools and procedures which are used in controlling labor costs. The topics covered are process charting and analysis, motion study and synthetic times, principles of motion economy, stop watch time study, time study standards, and the application of time study data to incentive systems.

INDUSTRY 5. MANUFACTURING PROCESSING AND BLUEPRINT READING.

Prerequisites, Industry 2 and 4.

4 credits

The purpose of this course is to enable the student to familiarize himself with the various processes, machinery and tooling for the production of consumer goods. It covers a study of the methods, equipment and tooling for producing various types of work on a production basis. Instruction and practice in blueprint reading are also included in this course.

INDUSTRY 6. LABOR LEGISLATION.

Prerequisites, Business Law 1 and Industry 3.

4 credits

This course provides the student with an understanding of the objectives and actions of the federal and state governments in the field of labor-management relations through a comprehensive consideration of the more important pieces of labor legislation. The principal topics are the application of the early legal doctrines to unions, the laws governing union activities and the law of collective bargaining. The National Labor Relations Act, the Railway Labor Act, the Labor-Management Reporting and Disclosure Act of 1959 are among the more important pieces of labor legislation analyzed. State labor legislation is reviewed. (*Given in the Fall Term only.*)

INDUSTRY 7. PRODUCTION CONTROL.

Prerequisites, Industry 4, and 5.

4 credits

The purposes of this course are to inculcate some general feeling for the application of controls to relatively complex operations; to present a broad and objective view of modern production control practices; and to provide some simulated experiences in attacking production control problems. The content includes a review of basic industrial organization; the role of production control in manufacturing enterprises; production control department staffing and function; planning; scheduling; routing; dispatching; follow-up; inventory control; the impact upon production control of automation, electronic data processing and operations research.

INDUSTRY 8. PLANT LAYOUT.

Prerequisites, Industry 5 and 7.

4 credits

This course is designed to acquaint the student with the fundamental principles of plant layout as a major factor in maximum utilization of plant and equipment; important work-locating, work-holding, and tool-guiding devices essential to the manufacture of interchangeable parts; and mass and quantity production.

INDUSTRY 9. INDUSTRIAL ADMINISTRATION.

Prerequisite, Senior Standing.

4 credits

The purpose of the course in Industrial Administration is to provide the student with a basis for synthesizing his knowledge of management from the viewpoint of the executive. The topics discussed include the functions of originating, developing and coordinating management policies and procedures; the internal and external influences on these functions; the principles of organization; the acquisition of resources; executive control and coordination techniques; and the principles of directing and delegating.

INDUSTRY 10. PROCUREMENT AND INVENTORY MANAGEMENT.

Prerequisite, Industry 2.

4 credits

The purpose of this course is to develop the criteria which serve as the basis for sound purchasing procedures. The topics considered are organization, quality determination, price objectives, and source selection. Attention is also directed to the problems of quantity determination and inventory control, and the use of recently developed techniques in their solution.

INDUSTRY 11. SYSTEMS AND PROCEDURES.

Prerequisite, Accounting 12.

4 credits

This course is designed to give the student perspective and insight in the application of systems and procedures to management problems. The principal topics are the nature of systems and procedures; the significance of the management environment; organizational placement of systems and procedures activity; sources and types of projects; systems analysis; machines and processes; communications; publications; flow charting; records and reports control; work sampling; work simplification.

INDUSTRY 12. COMPENSATION METHODS AND JOB EVALUATION.

Prerequisites, Industry 2 and 3.

4 credits

This course is designed to acquaint the student with the principles of job evaluation, compensation methods, and the technique and installation of incentive plans.

INDUSTRY 13. COLLECTIVE BARGAINING.

Prerequisites, Industry 3 and 6.

4 credits

Collective Bargaining is the study of the external and internal factors which influence the establishment of trade agreements and the application of the provisions of the established trade agreement to day-to-day employer-employee problems. Some of the topics covered in this course are the functions of collective bargaining; its application in day-to-day operations; its characteristic processes and procedures; and the effect of the law on negotiations and the resulting trade agreement. These topics are explored, analyzed and answered through a study of authentic cases drawn from industry. Outside reading is required. (*Given in the Spring Term only.*)

INDUSTRY 14. PRINCIPLES OF QUALITY CONTROL.

Prerequisites, Industry 5, and Statistics 15. 4 credits

This course is designed to give the student both a broad perspective of the quality function and a practical working knowledge of the application of quality control to industry today. It covers the economics of quality control; the organization for quality; the acceptance, control, and assurance of quality, and similar aspects.

INDUSTRY 16. INTEGRATED AND ELECTRONIC DATA PROCESSING.

Prerequisite, Completion of 66 credit hours, or permission of the Dean. 4 credits

This course is designed to familiarize the student with the broader aspects of the field of integrated and electronic data processing. Consideration is given to the following topics: growth and development of data processing; punched card systems; communication aspects of data processing; integrated data processing; fundamentals of electronic digital computers; basic elements of, reasons for, and current approach to electronic data processing; systems development; state of the technology; relation to automation; fields and trends of application; and current status and future outlook of data processing.

INSURANCE

JOHN H. CHRISTIE, B.S., *Co-Chairman*

INSURANCE 1. THE PRINCIPLES OF INSURANCE.

4 credits

This course provides a study of the underlying principles upon which all forms of insurance are based. Beginning with the theory of probabilities, the principles are developed as they apply to the different branches of the business. The four divisions of insurance—life, fire, marine, and casualty—are presented.

INSURANCE 2. THE PRINCIPLES OF LIFE INSURANCE.

4 credits

The course provides a study of the theory and practice of life insurance and of its legal aspects. Consideration is given to the various forms of life insurance—individual, group and industrial. The course is designed to give the student a knowledge of Social Security and of programming. Attention is also given to the supervision and the management of life insurance companies.

INSURANCE 3. FIRE AND INLAND MARINE INSURANCE.

4 credits

This course considers in detail the fire policy contract, home owners policies, endorsements and forms, schedule rating, and the various inland marine insurance contracts and endorsements. (*Given in the Spring Term only.*)

INSURANCE 4. CASUALTY INSURANCE.

4 credits

The contents of the course in casualty insurance includes the following: automobile, burglary, public-liability, compensation, accident and health, steam-boiler, machinery, and plate-glass insurance; and fidelity and surety bonds insurance. Attention is paid to policy contract, rate making, experience rating, special agreements and endorsements, assignment of policies, and etc. (*Given in the Fall Term only.*)

MARKETING

GEORGE R. SWOYER, M.B.A., *Chairman*

MARKETING 1. PRINCIPLES OF MARKETING.

4 credits

The purpose of this course is to provide the student with a broad background of the important principles and factors relating to the marketing functions in the American economy. The principal topics are the nature, significance and functions of marketing; consumer motivation; behavior and buying problems; wholesaling and retailing of consumer goods; marketing industrial goods and raw materials; market research and merchandise development; buying, selling, price policies and practices; channels of distribution; and governmental relationships to marketing.

MARKETING 2. RETAIL METHODS AND POLICIES.

Prerequisite, Marketing 1.

4 credits

This course is designed to enable students to understand the structure of retailing and the variety of problems associated with the establishment of a retail store. The principal topics include store location, buying, pricing, personnel selection, selling, sales planning and control, credit and collections, and insurance. (*Given in the Fall Term only.*)

MARKETING 3. PERSONAL SELLING.

Prerequisite, Marketing 1.

4 credits

The purpose of this course is to acquaint the student with the development, the importance and the practice of individual selling. In the treatment of the content, primary consideration is given to sales personality, the phases of a sales presentation, types of buyers, and the ethics in salesmanship. The students are required to make actual sales presentations. (*Given in the Spring Term only.*)

MARKETING 4. SALES ADMINISTRATION.

Prerequisite, Marketing 1.

4 credits

The aim of this course is to familiarize the student with the activities of a sales administrator in directing and controlling a sales force. The topics considered are the recruitment, selection, training, compensation, motivation, and supervision of salesmen. Other topics also included are the establishment of sales territories, quotas and budgets.

MARKETING 5. ADVERTISING.

Prerequisite, Marketing 2.

4 credits

The course provides a complete and up-to-date treatment of the economic and social aspects of advertising, including the scope of advertising and the important methods and techniques of research which form the basis of any advertisement or advertising campaign; a practical treatment of copy, layout, and media; the effectiveness of advertising, advertising departments, and the advertising agency. (*Given in the Fall Term only.*)

MARKETING 6. MARKETING RESEARCH AND ANALYSIS.

Prerequisite, Senior Standing.

4 credits

This course deals with the use of scientific method in the solution of specific marketing problems and in the conduct of general market research studies. Topics considered include purposes achieved by market research and analysis; agencies for carrying on the work; sources of information; problems of research and analysis; methods of carrying on research and of analyzing information obtained; and the proper presentation of the results. (*Given in the Spring Term only.*)

MATHEMATICS¹

EDWARD J. NOLAN, M.Ch.E., Co-Chairman

MATHEMATICS 10. COLLEGE ALGEBRA.

4 credits

The purpose of this course is to develop a mastery of the fundamental concepts of Algebra. It is a basic course intended for those who do not qualify for Mathematics 11. The principal topics are fundamental operations, factoring, fractions, exponents, radicals, graphing, linear and quadratic equations, and problem solving.

MATHEMATICS 11. ALGEBRA AND TRIGONOMETRY—PART 1.

Prerequisite, Mathematics 10, or a qualifying score for the Mathematics Achievement Test.

4 credits

Algebra and Trigonometry is an integrated course given in two parts. The elementary operations of Algebra are reviewed and new topics associated with Algebra and Trigonometry are discussed with the aim of providing a sound basis for future studies in mathematics. The topics included in Part 1 are the system of real numbers; functions; exponential and logarithmic functions; and trigonometric functions.

MATHEMATICS 12. ALGEBRA AND TRIGONOMETRY—PART 2.

Prerequisite, Mathematics 11.

4 credits

The topics included in Part 2 of Algebra and Trigonometry are complex numbers; theory of equations; systems of equations; the binomial theorem; sequences; inverse functions; inverse trigonometric functions.

¹ Revised departmental course numbers effective September 1961.

MATHEMATICS 23. ANALYTIC GEOMETRY AND CALCULUS—PART 1.

Prerequisite, Mathematics 12.

4 credits

This is the first of a series of three consecutive courses in Analytic Geometry and Calculus in which an integrated treatment is given to the following subjects: the basic concepts of Analytic Geometry; graphs of functions; basic concepts of Calculus; the derivative with applications to curve tracing; maxima and minima; velocity, acceleration and rates; differentials; approximate values; integration.

MATHEMATICS 24. ANALYTIC GEOMETRY AND CALCULUS—PART 2.

Prerequisite, Mathematics 23.

4 credits

The topics considered in Part 2 of Analytic Geometry and Calculus are the integral as a summation method involving approximate and exact techniques; geometric and physical applications of the definite integral; an introduction to polar coordinates and conic sections; and the differentiation of trigonometric, logarithmic and exponential functions.

MATHEMATICS 25. ANALYTIC GEOMETRY AND CALCULUS—PART 3.

Prerequisite, Mathematics 24.

4 credits

Mathematics 25 concludes the sequence in Analytic Geometry and Calculus. The topics discussed are vectors, the Law of the Mean, indeterminate forms, formal integration, trigonometric integrals and applications, partial fractions, surfaces, partial derivatives, multiple integrals, and infinite series.

MATHEMATICS 36. DIFFERENTIAL EQUATIONS.

Prerequisite, Mathematics 25.

4 credits

It is the aim of this course to give an extended treatment of differential equations with applications to the physical sciences. The principal topics are types of differential equations; hyperbolic functions; general and particular solutions of first order, first degree equations; integrable combinations; homogeneous equations and separation of variables; linear equations of the n th order; the differential operator; solution of equations by the method of undetermined coefficients and by variation of parameters; simultaneous equations; and linear equations of the second order.

MATHEMATICS 47. APPLIED MATHEMATICS—PART 1.

Prerequisite, Mathematics 36.

4 credits

The purpose of the course in Applied Mathematics is to introduce the student to the more common mathematical techniques which are useful in solving the technical problems encountered by the physicist and the engineer. The topics included in the first part of the course are matrices, partial differentiation, gamma and beta functions, differentiation of the integral, Fourier series, Laplace transforms, Fourier integral, and partial differential equations.

MATHEMATICS 48. APPLIED MATHEMATICS—PART 2.

Prerequisite, Mathematics 47.

4 credits

This course is a continuation of Mathematics 47. The topics include vector analysis, series solutions of ordinary differential equations, Bessel functions, Legendre polynomials, partial differential equations, and the complex variable.

MODERN LANGUAGES

FRENCH

FRENCH 1. ELEMENTARY FRENCH.

4 credits

This course is designed to familiarize the student with the basic rules governing French grammar and phonetics through intensive practice in reading, writing, comprehending and speaking French.

FRENCH 2. INTERMEDIATE FRENCH.

Prerequisite, French 1.

4 credits

The study of basic French grammar is intensified and completed. The second part of the course consists of readings from selected modern authors designed to develop the student's ability to read and understand French.

GERMAN

GERMAN 1. ELEMENTARY GERMAN.

4 credits

The elementary course is designed to impart the basic rules governing German grammar and phonetics and to prepare the student for later mastery in the reading, writing, and speaking of the language.

GERMAN 2. INTERMEDIATE GERMAN.

Prerequisite, German 1.

4 credits

This course is a review of the fundamentals of grammar with emphasis on oral reading and exercises in composition.

GERMAN 3. SCIENTIFIC GERMAN.

Prerequisite, German 2.

4 credits

This course is offered to Chemistry Majors as a preparation for the reading of collected works and scientific journals printed in German.

SPANISH

SPANISH 1. ELEMENTARY SPANISH.

4 credits

The elementary course is designed to impart the basic rules governing Spanish grammar and phonetics and to prepare the student for later mastery in the reading, writing, and speaking of the Spanish language.

SPANISH 2. INTERMEDIATE SPANISH.

Prerequisite, Spanish 1.

4 credits

The intermediate course in Spanish provides a review of grammar with advanced readings and exercises in composition. Special emphasis is given to phonetics.

PHILOSOPHY

E. RUSSELL NAUGHTON, Ph.D., *Chairman*

PHILOSOPHY 1. LOGIC.

3 credits

The requirements of correct thinking as applicable in all forms of speaking and writing are studied in a systematic manner. The methods of composing and recognizing logical thought are emphasized, as well as training in the detection of fallacies and errors in thought.

PHILOSOPHY 2. THE PHILOSOPHY OF HUMAN NATURE.

Prerequisite, Philosophy 1.

3 credits

The purpose of this course is to give a philosophical analysis of the nature and functions of human reality. The principal topics are the comparison of philosophical and scientific methods; the nature of the soul; the hierarchy of living things; man's vegetative and sensitive powers; his intellect and will; the psychology of habits; the meaning of person and personality; and the origin and destiny of the human soul.

PHILOSOPHY 3. PRINCIPLES OF MORAL PHILOSOPHY.

Prerequisite, Philosophy 2.

3 credits

The purpose of this course is to provide the knowledge of those ethical principles by which the rightness or wrongness of human conduct may be judged. This study encompasses a thorough and detailed analysis of the nature of happiness; the essence and structure of the moral act; the role of law; subjective and objective criteria of morality; and the place and function of virtue.

PHILOSOPHY 4. PROBLEMS OF MORAL PHILOSOPHY.

Prerequisite, Philosophy 3.

3 credits

This course has the twofold purpose of analyzing certain basic problems of the individual and of the social order which must be faced by reasonable people living in America today, and of applying the principles of moral philosophy to these problems. Some of the problems to be considered are sex, marriage, and the family; contracts, wages, strikes, etc.; civil rights and political activities; and freedom of speech and of education.

PHILOSOPHY 5. BASIC PHILOSOPHY.

3 credits

This course provides a basis for an outlook on life in conformity with the spiritual nature of man. The topics considered are problems of certitude; sources of knowledge; man's soul, intellect and will; causality; evolution; proofs for the existence of God; and some attributes of God. (*Given in the Fall Term only.*)

PHILOSOPHY 6. PHILOSOPHY OF RELIGION—PART 1.

Prerequisite, Philosophy 5.

3 credits

The purpose of this course is to give the student a philosophical evaluation of the concepts involved in religion. The topics are the nature of

religion; the nature of philosophical, theological and scientific knowledge, and their relevance to religion; the existence and nature of God; creation, conservation and providence; the possibility of direct revelation and miracles; the immortality of the human soul and freedom of choice. (*Given in the Spring Term only.*)

PHILOSOPHY 7. PHILOSOPHY OF RELIGION—PART 2.

Prerequisite, Philosophy 6.

3 credits

This course is a continuation of Philosophy 6. The topics are the psychology of religious worship; the nature and types of law; and a detailed analysis of the Divine Positive Law, the Commandments, from the point of view of conformity to human nature. (*Given in the Fall Term only.*)

PHYSICS¹

ARTHUR H. BENNER, Ph.D., *Co-Chairman*

PHYSICS 11. GENERAL PHYSICS—PART 1.

Prerequisite, Mathematics 12.²

4 credits

The general course in physics introduces the student to the fundamentals of the science. The topics considered in Part 1 in lecture and laboratory are mechanics and sound.

PHYSICS 12. GENERAL PHYSICS—PART 2.

Prerequisites, Mathematics 23, and Physics 11.

4 credits

The second part of general physics covers the topics of electricity and magnetism.

PHYSICS 13. GENERAL PHYSICS—PART 3.

Prerequisites, Mathematics 23, and Physics 12.

4 credits

The third part of general physics includes the topics of thermodynamics, optics and modern physics.

PHYSICS 23. CIRCUIT THEORY—PART 1.

Prerequisites, Physics 13, and Mathematics 25.

4 credits

The purpose of the course is to develop the fundamentals of electricity and magnetism. The principal topics are electric fields, Gauss's Law, potential, capacitors, dielectrics, polarization, displacement, magnetic field, Ampere's Law, magnetization, induced emf, Maxwell's equations, inductance, D-C circuit analysis, transients, steady-state A-C circuits, reactance and impedance.

PHYSICS 24. CIRCUIT THEORY—PART 2.

Prerequisites, Physics 23, and Mathematics 36.

4 credits

The purpose of this course is to continue the development of basic circuit theory with emphasis on network behavior to sinusoidal forcing functions. The contents include resonance, network theorems, coupled circuits, simple filters, and the classical and Laplace transform treatment of linear transient circuits.

¹ Revised departmental course numbers effective September 1961.

² If Mathematics 23 is not taken concomitantly with Physics 11, it must be taken before Physics 11.

PHYSICS 35. ELECTRONIC CIRCUITS—PART 1.

Prerequisites, Physics 24, and Mathematics 36. 4 credits

The first part of Electronic Circuits considers the fundamentals of electron ballistics in the presence of electric and magnetic fields. The subject matter includes electron emission, vacuum tube elements, diodes, triode fundamentals, and rectifiers.

PHYSICS 36. ELECTRONIC CIRCUITS—PART 2.

Prerequisites, Physics 35, and Mathematics 47. 4 credits

This course serves as an introduction to active networks through the use of vacuum tube and transistor elements, and to semiconductor physics. The topics are semiconductor physics, P-N junctions, multi-element tubes, equivalent circuits, small-signal amplifiers, low-pass and band-pass amplifiers, and transient response.

PHYSICS 37. ELECTRONIC CIRCUITS—PART 3.

Prerequisites, Physics 36, and Mathematics 47. 4 credits

This course continues the logical development of electronic circuits presented in Physics 36. In particular, the topics covered are power amplifiers, oscillators, modulation, demodulation, and applications to receivers and transmitters. This course includes a consideration of transistor circuits.

PHYSICS 41. LECTURE DEMONSTRATIONS IN CIRCUITRY—PART 1.

Prerequisite, Physics 36. 4 credits

By means of demonstrated lectures and problems, the theories considered in the other electronic courses are applied to functioning circuits. The demonstrations include circuit components and test equipment; power supplies and filters; vacuum tube and simple transistor circuits; audio, video, and r.f. amplifiers; and oscillators.

PHYSICS 42. LECTURE DEMONSTRATIONS IN CIRCUITRY—PART 2.

Prerequisites, Physics 37 and 41. 4 credits

This course is a continuation of Physics 41. The categories of circuits which are described, analyzed and demonstrated include oscillators; AM and FM modulators and demodulators; integrating and differentiating circuits; clipper, clamp, trigger, sweep, multivibrator, and other pulse and digital circuits.

PHYSICS 48. FIELD THEORY.

Prerequisites, Physics 37, and Mathematics 48. 4 credits

The course in Field Theory is concerned primarily with the development of the theory of electric waves. The topics considered are electric fields, magnetic fields, induced emf, waves in dielectric and conducting media, and an introduction to wave guides and antennas.

PHYSICS 49. CIRCUIT THEORY—PART 3.

Prerequisites, Physics 37, and Mathematics 48. 4 credits

The purpose of the course is to present the rudiments of modern network analysis and an introduction to network synthesis. The principal topics are the mathematical formulation of physical phenomena, solution of differential equations by classical and Laplace methods, pole zero representation, time and frequency domain representation, and one and two terminal pair reactive networks.

PHYSICS 50. ELECTRONIC CIRCUITS—PART 4.

Prerequisites, Physics 49, and Mathematics 48. 4 credits

This course has the twofold purpose of giving an expanded discussion of semiconductor principles and of presenting the rudiments of stochastic processes in engineering. The principal topics are semiconductor principles, transistor action and circuits, new solid state devices, the passage of random processes through linear networks and through selected non-linear devices, and signal detection theory.

PSYCHOLOGY

PSYCHOLOGY 1. PSYCHOLOGY OF ADJUSTMENT.

4 credits

This course has the threefold purpose of providing the student with an understanding of modern psychological principles, of helping him to become more effective in his social relationships, and of aiding him in evaluating his own personal patterns of behavior. The course deals successively with the factors that determine human behavior; the measurement of intelligence; the development of feelings of inferiority in normal individuals; and the most recent findings on the etiology, symptoms and treatment of abnormal behavior evidenced in neurotics, psychotics, alcoholics, and other psychological deviations.

PSYCHOLOGY 2. INDUSTRIAL PSYCHOLOGY.

4 credits

The purpose of this course is to give students an understanding of the field of psychology as applied to industry with special emphasis on the principles involved in the selection and placement of employees. The course covers the use of the psychological techniques practiced in recruiting, interviewing, testing, selecting and placing employees; the methods used in motivating workers; decreasing fatigue, absenteeism and labor turnover; and increasing productivity. The student also receives training in the use of psychological tests for measuring employee aptitudes, interests and personality. (*Given in the Spring Term only.*)

SOCIOLOGY¹WALTER F. ZENNER, M.A., *Co-Chairman*

SOCIOLOGY 11. INTRODUCTORY SOCIOLOGY.

4 credits

The purpose of this course is to give the student a broad understanding of human behavior as it manifests itself in social relationships, social groups and society. The course includes an analysis of the structure and function of social organization, culture, socialization, social groups, social stratification, social institutions, collective behavior, and the community.

SOCIOLOGY 12. INDUSTRIAL SOCIOLOGY.

3 credits

This course is concerned with the study of the structural-functional aspects of industry and of trade unionism, and with the interrelationship between the industrial society and the larger social order. Some of the topics treated are industry and its relationship to the community, to the family, to social classes, minority groups and government.

STATISTICS¹STATISTICS 15.² BUSINESS MATHEMATICS AND ELEMENTARY STATISTICS.

4 credits

This course is concerned with the mathematical preparation for and an introduction to business statistics. The contents include arithmetic and algebraic operations; logarithms and the use of the slide rule; an introduction to the presentation of data, graphic representation, measure of central tendency and dispersion, and index numbers.

STATISTICS 21. BUSINESS STATISTICS.

Prerequisite, Statistics 15.

4 credits

The purpose of this course is to provide some insight into the usefulness and the limitations of statistics as a tool in the process of decision making. The following topics are treated: collection and sources of data; descriptive methods for representing data; measures of central tendency and variability; the concept of probability; sampling distributions of means and proportions; testing hypotheses on the basis of incomplete evidence and estimation of parameters; treatment of special techniques such as index numbers, correlation and regression analysis; and time series analysis.

¹ Revised departmental course numbers effective September 1961.

² Listed in previous Bulletins as Industry 15.

STATISTICS 31. STATISTICAL ANALYSIS FOR MANAGEMENT.

Prerequisite, Minimum C grade in Statistics 21.

4 credits

Training in statistical inference as a tool for use in management decision making is the principal objective of this course. The following topics are treated: the basic theory of probability and probability distributions; statistical inference about means and proportions; analysis of variance and industrial experimentation; multiple regression and correlation analysis; some problems of operations research.

THEOLOGY¹

REVEREND ROBERT A. MORRISON, M.A., *Co-Chairman*

THEOLOGY 1. THE BIBLE.

3 credits

This course is designed to be an introduction to the Bible, including a study of inspiration, inerrancy, canonicity, the senses of Scripture, and the rules for interpretation. The religious significance of the Bible is explored by lectures and assigned readings in both the Old and the New Testament.

THEOLOGY 2. APOLOGETICS.

3 credits

The course in Apologetics is a rational inquiry into the basic truths of natural religion, a comprehension of the divinity of Christ, and a consideration of the motives why man can and should believe in the Catholic Church. The content covers the existence of God; the human soul and eternity; the necessity of revelation; the trustworthiness of the Gospels; the divinity of Christ; and the establishment of an organized, visible society to carry on His work in an authoritative manner.

THEOLOGY 3. THE MYSTICAL BODY AND THE SACRAMENTS.

3 credits

The content of this course includes the Church as the Mystical Body of Christ; sanctifying grace and its effects; and a detailed exposition of the Mass and the seven sacraments.

¹ Change in departmental title from Religion to Theology effective September 1961.

INFORMATION

For additional information, write to:

OFFICE OF ADMISSIONS

LA SALLE COLLEGE

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Philadelphia 41, Pennsylvania

